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# NUCLEAR WEAPON EFFECT RESEARCH AT PSR—1983

## Acute Radiation Effects on Individual Crewmember Performance

George H. Anno
Don B. Wilson
Michael A. Dore
Pacific-Sierra Research Corporation
12340 Santa Monica Blvd.
Los Angeles, CA 90025-2587

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between dose/time and the task performance estimates provided by supervisors of combat crews.

We focus on soldiers representing four different crews, from the artillery (both gun and fire direction center crews), armor, and antiarmor, because their operations include the prospect of decisive encounters where one of the combatant crews will probably be put out of action. The crews are small, with three or four members, and the encounters are usually brief, typically lasting between 30 and 90 sec, so crew missions, operational scenarios, and crewmembers' tasks can be readily modeled.

Performance data from questionnaires administered to 161 senior noncommissioned officers from the combat crews were evaluated. Twenty-four respondents were excluded because of either lack of experience, background, self-disqualification, or missing questionnaires. Another 21 were rejected because of noncompliance with instructions or unreasonable response patterns, leaving a total of 116, or 73 percent.

A linear regression analysis is performed on respondent data to obtain the parameters for predicting performance of each of the 15 crewmember positions. The logit form is used to model the response data, so as to guarantee that all predicted performance values, including the upper and lower confidence limits, lie within the interval (0, 1), as consistent with the dependent variable (performance) input data.

Performance predictions are mapped onto the dose/time plane with specified boundary conditions by applying numerical techniques to a framework of symptom complexes. Three-dimensional representations of performance as a function of dose and time are developed for 15 crewmember positions by applying a "french curve" algorithm to translate performance data input on a grid of 18 dose by 39 time points into a smooth surface. A similar numerical procedure was used to generate isoperformance contour plots that are 10 percent incremental coplanar projections of the performance surface onto the dose/time plane.

Computed performance, given in both graphic and tabular form, is consistent with the acute symptomatology from medical observations. Also, despite the subjective basis of the performance estimates correlated with dose and time, the computed results represent reasonable expectations. Physically demanding tasks are associated with greater performance degradation; crewmembers with similar tasks across crews indicate correlated degradation when grouped. Since we find it difficult to stipulate a sound comprehensive measure of uncertainty in the results we present, the results should be applied with caution.

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## SUMMARY


In this report, quantitative estimates of the performance levels of individual combat crewmembers exposed to prompt ionizing radiation are developed. The data described here are designed to help plan military field operations and training for combat crews in a nuclear weapon environment. The estimates of crewmember performance are expressed graphically and tabulated in terms of two critical values: radiation dose (free-in-air), and time following exposure. Performance estimates are provided for each of the 15 different types of crewmembers selected to represent typical short-term (from 0.5 to 1.5 min) battlefield engagement scenarios for a small combat crew (three to four members). The crewmembers selected for study are from the following four groups: (1) field artillery gun crews, (2) field artillery fire direction center (FDC) crews, (3) tank crews, and (4) antitank guided missile (improved TOW vehicle) crews.

The quantitative estimates of degraded performance are based on two bodies of information developed for the Intermediate Dose Program (IDP). The first comes from the comprehensive symptomatology review of human irradiation experience, and the second comes from the U.S. Army combat crew questionnaires. Symptom descriptions quantified in terms of five levels of severity, and the formation of symptom complexes based on the symptomatology investigation, made it possible to obtain performance judgments from the questionnaires administered to army personnel.

Performance data, derived from the army crew supervisors who were asked to judge how typical crewmembers might be able to perform if they had acute radiation symptoms described to them, are correlated with dose and time. Questionnaire responses are evaluated to improve the quality of the data base used for the regression analyses to develop smoothed, expanded, and consistent performance input data used for mapping the dose-time domain provided by a framework of symptom complexes.

Numerical procedures are applied in order to map and generate the three-dimensional performance surfaces and contour plots as a function of dose and time. Since data available from the symptomatology

investigations are not sufficient to allow uncertainties to be succinctly specified, and the performance levels are developed for particular types of combat crewmembers and scenarios, application of the results obtained is recommended with caution.

# PREFACE

This report was prepared as one volume of a set comprising the Pacific-Sierra Research Corporation (PSR) final report for the Defense Nuclear Agency (DNA) under contract DNA001-83-C-0015. The work done under this contract spans a wide range of nuclear weapon effects research covering intermediate-dose radiation, cratering, fire research, analytical models, underground testing, instrumentation, and microwave energy.

This volume reports on material provided for the DNA Intermediate Dose Program (IDP) to assess the effects of nuclear weapon radiation on military troop performance. It also represents one of a series of volumes comprising the DNA IDP report.

Quantitative estimates of combat troop performance are developed, using information and data from other IDP investigations. Along with the IDP Core Group, DNA staff members David L. Auton and Robert W. Young of Science and Technology, Biomedical Effects (STBE) guided this effort. The authors acknowledge the valuable assistance provided by G. Hall, who performed the statistical data analysis and authored Appendix F, "Performance Data Regression Modeling"; and Elizabeth M. Niccum for providing special computer programming assistance in analyzing the questionnaires.

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## SECTION 1

## INTRODUCTION

This report describes the development of dose/time performance profiles for individual crewmembers exposed to the initial prompt ionizing radiation from a nuclear weapon burst. The individual performance profiles are an integral part of the Defense Nuclear Agency (DNA) Intermediate Dose Program (IDP), whose objective is to estimate the effect of prompt radiation on the battlefield performance of combat crews and units.

Crewmembers representing four different crews were specifically selected for study, because their operations include the prospect of decisive encounters with the enemy. The term "decisive" means that one of the combatant crews will probably be put out of action as a consequence of the encounter. The crews are small, with three or four members, and the encounters are usually brief, typically lasting between 30 and 90 sec. Accordingly, the crew missions, operational scenarios, and members' tasks can be readily modeled. The four crews studied were

- A field artillery gun crew (155 mm self-propelled howitzer).
- A field artillery fire-direction-center (FDC) crew (on manual operation).
- A tank crew (M60A3).
- An antitank guided missile crew in an improved TOW vehicle (ITV).*

The procedural methodology for developing the dose/time individual performance relationships follows from preceding efforts involving IDP program objectives and investigation strategy [Intermediate Dose Program Group, 1983]; a comprehensive review and assessment of acute radiation effects and symptomatology in humans [Baum et al., 1983]; the description and quantification of radiation sickness in terms of five

*Hereafter referred to as simply the TOW crew.

levels of severity, and the aggregation of symptom groups into symptom complexes [Anno and Wilson, 1983]; and the gathering of judgment data on military task performance from questionnaires administered to U.S. Army combat crew personnel [Glickman et al., 1983].

The descriptions of the symptom complexes were used on questionnaires administered to senior noncommissioned officers (NCO) to obtain their estimates on the performance of individual crewmembers. Evaluation of the questionnaire responses is described in Sec. 2. Based on that evaluation, some respondents were excluded as unqualified because they did not meet criteria to ensure that the estimates collected were made by senior NCOs who had recent experience supervising typical crewmembers on current equipment. Other respondents were excluded because they were unresponsive to the questionnaire.

Performance estimates from those respondents found to be reliable were processed through a regression analysis procedure, described in Sec. 3. The regression analysis (1) fits smooth curves to the data, (2) provides a structure for making consistent performance predictions, (3) interpolates and extrapolates the data to make performance estimates for symptom complexes not included in the questionnaire, and (4) provides a means to assess the importance placed on the various symptom complex components as reflected by the data.

The process we use to construct the map of symptom complexes over time for various doses is described in Sec. 4. It maps predictions of individual performance for the symptom complexes, as determined by the regression analysis, on the dose/time plane. Section 5 discusses the following step, which includes selection of the dose, time, and performance mapping points; the output grid structure; the boundary value specifications; and the procedure for generating performance surface and isoperformance contours.

Finally, Sec. 6 presents graphical representations of individual performance profiles for the 15 members of the crews studied. Plots of performance and isoperformance contours versus dose and time are displayed for each crewmember, as well as groups of crewmembers according to similarity of tasks.

Appendixes to this report contain tabular data, graphs, and additional narratives that are related to the technical discussion and materials presented in various sections of the main body of this report. Because of the large quantity and detailed nature of those data, they are not included in the text itself.

## SECTION 2

## EVALUATION OF PERFORMANCE ESTIMATES

In this section, evaluation of the questionnaires [Glickman et al., 1983] is described. The criteria by which some respondents were excluded before their answers were recorded are defined. Those criteria were rank, time in specialty, and number of crewmembers supervised. Then, the method by which respondents with unresponsive estimates were rejected is outlined. The standards for rejection were the occurrence of any of the following patterns: (1) noncompliance with the instructions; (2) a preponderance of answers at the extremes of the performance range; (3) excessive consistency for many tasks within a symptom complex; or (4) many reversals, where performance under more severe symptoms was better than performance under less severe symptoms.

Table 1 lists the number of questionnaires administered to respondents from each type of crew, and the reasons for eliminating respondents from the sample. Each of the items listed in the table is discussed in the present section. We also discuss how the answers were used to evaluate the structure of the questionnaire itself. After the excluded and rejected respondents were eliminated, the performance estimates from respondents remaining in the sample constituted the data used for the regression analysis (Sec. 3). Appendix A lists all performance time estimates from each accepted respondent.

### THE RESPONDENTS

The judgments desired were of soldiers who had directed the activities of many crewmembers, who were familiar with current equipment, and who had recent experience supervising soldiers operating that equipment. We therefore asked that the questionnaires be administered to students attending the Advanced Noncommissioned Officers Classes (ANOC) at the Artillery, Armor, and Infantry schools. The exact groups of respondents requested at the Armor and Infantry schools were obtained, but scheduling difficulties prevented the participation of ANOC students at the

Table 1. Disposition of questionnaires.

| | Respondent Specialty | | | | |
|---|---|---|---|---|---|
| | Gun Crew | FDC Crew | Tank Crew | TOW Crew | Grand Total |
| *Respondents Polled* | | | | | |
| Pilot run | 8 | 4 | 0 | 5[a] | 12 |
| Full questionnaire | 31 | 24 | 44 | 41 | 140 |
| Post run | 0 | 9 | 0 | 0 | 9 |
| Total administered | 39 | 37 | 44 | 41 | 161 |
| *Respondents Eliminated* | | | | | |
| Exclusions[b] | | | | | |
| Grade <E4 | 0 | 4 | 0 | 0 | 4 |
| Time in specialty <12 months | 0 | 1 | 0 | 0 | 1 |
| Supervised <5 soldiers | 6 | 7 | 1 | 1 | 15 |
| Self-disqualified | 0 | 0 | 0 | 2 | 2 |
| Missing manuscript | 1 | 0 | 1 | 0 | 2 |
| Subtotal | 7 | 12 | 2 | 3 | 24 |
| Rejections[c] | | | | | |
| Noncompliance | 1 | 0 | 0 | 0 | 1 |
| Estimates at extremes | 1 | 0 | 2 | 0 | 3 |
| Excessive consistency | 0 | 0 | 1 | 0 | 1 |
| Reversals | 2 | 3 | 1 | 1 | 7 |
| Combined causes | 3 | 1 | 4 | 1 | 9 |
| Subtotal | 7 | 4 | 8 | 2 | 21 |
| Total eliminated | 14 | 16 | 10 | 5 | 45 |
| Respondents remaining | 25 | 21 | 34 | 36 | 116 |

[a]Not recorded.

[b]Before analysis.

[c]After analysis.

Artillery school. Instead, a number of NCOs from the training cadres at Fort Sill answered the artillery questionnaires.

At least 24 acceptable respondents were desired for each type of crew. Since it was not expected that all of the respondents would produce acceptable questionnaires, our initial intention was to obtain

estimates from about 30 qualified respondents of each type. The tank and TOW crew samples each contained more than 40 respondents, and each produced more than 30 acceptable questionnaires.

However, at first an adequate number of respondents for artillery crews was not obtained. We started with 31 gun crew and 24 FDC crew respondents from the training cadres. After eliminating the unacceptable respondents, only 21 from the gun crews and 16 from the FDC crews remained. Because those numbers were low, qualified respondents were added from pilot runs* of the gun and FDC crews and the questionnaire was administered to a second group of 9 FDC crewmembers. Adding questionnaires from those groups increased the total number of acceptable questionnaires to 25 and 21, respectively (see Table 1). Although the number of acceptable FDC questionnaires was lower than that desired, the pattern of responses gives no cause to reject the body of data as unsound. Therefore, the FDC crew data was included in the total of 116 respondents as input for the regression analysis.

## THE QUESTIONNAIRE

The questionnaire and the procedures for its administration are described in Glickman et al. [1983]. Briefly, a standard format was used for each crew; every page was identical except for the symptom description at the top of the page (see Fig. 1 for a typical page from the TOW crew questionnaire). Several tasks were listed, together with the usual time for a well crewmember to perform them (Table 2), and the respondent was asked to indicate how long it would take a typical crewmember to perform each task if that crewmember were suffering the symptoms described at the top of that page.

The tasks were divided into two types: about ten tasks were of the type the respondent had been supervising, and six were ordinary tasks

*In order to verify that the questionnaire was understandable to the population from which we intended to draw our sample, we had administered a preliminary version of the questionnaire to several small groups of gun crew and FDC crew supervisors. The questionnaire for this pilot run was almost identical to the final version, with a few differences in language and normal time values, and with six fewer symptom complexes.

DESCRIPTION OF ILLNESS: 415 314

Vomited once or twice; nauseated and may vomit again; exhausted with almost no strength; unsteady upon standing quickly; extremely dry mouth, throat, skin and very painful headache; has difficulty moving; short of breath; burning skin and eyes.

CREW TASKS

| Tasks<br>CREWMEMBER | The usual time for each task is about: | How long do you think it would take a crewmember to do each task if he had these symptoms?<br>No increase in time | Amount of time (sec) | Could not do it at all |
|---|---|---|---|---|
| SQUAD LEADER - Designate azimuth and target | 4 sec | | | |
| Command driver to firing position | 2 sec | | | |
| GUNNER - Set superelevation, erect, slew 170° to 10° azimuth | 17 sec | | | |
| Adjust magnification, acquire targets, identify, arm, & fire. | 7 sec | | | |
| DRIVER - From standstill, drive forward 40 ft. & stop | 20 sec | | | |
| LOADER - Reload | 60 sec | | | |
| Rearrange ready rack | 60 sec | | | |

Target Tracking Accuracy

Estimate the chance of staying on target during the last 6 seconds of flight (usual chance 90%). ______%

ORDINARY TASKS

| | | | | |
|---|---|---|---|---|
| Climb two flights of stairs briskly | 15 sec | | | |
| Lift five heavy boxes of books from the floor to a 3 ft high table | 20 sec | | | |

1. How many flights of stairs could a crewmember climb quickly before becoming breathless? ______ flights
2. How long could a crewmember keep walking at a brisk pace before his legs get tired? ______ minutes
3. How many heavy boxes could a crewmember keep lifting from the floor to a table before he would have to stop and rest? ______ boxes
4. How long would it take a crewmember to open a simple 3-number combination lock? ______ seconds

How much confidence do you have in your estimates?

| 1<br>None | 2<br>Not Much | 3<br>Some | 4<br>A Lot | 5<br>Certain |
|---|---|---|---|---|

Figure 1. Sample page from questionnaire (TOW crew).

Table 2. Crew tasks.

| Crew Type[a] | Position | Task Number | Crewmember | Description of Task | Usual Time (sec) |
|---|---|---|---|---|---|
| *Gun Crew* | | | | | |
| 1 | 1 | 1 | Chief of section | Receive fire order and call quadrant elevation, deflection, projectile, charge, fuze | 3 |
| 1 | 2 | 2 | Gunner | Set deflection | 7 |
| 1 | 2 | 3 | | Traverse tube and level bubble | 7 |
| 1 | 3 | 4 | Assistant gunner | Set quadrant elevation | 7 |
| 1 | 3 | 5 | | Elevate tube and level bubble | 3 |
| 1 | 4 | 6 | Loader | Lift projectile to tray | 2 |
| 1 | 4 | 7 | | Position and operate hydraulic rammer | 5[b] |
| 1 | 4 | 8 | | Place charge and release breech block | 2 |
| 1 | 4 | 9 | | Insert primer and close firing lock | 1.5 |
| 1 | 4 | 10 | | Attach lanyard and fire | 1.5 |
| 1 | 4 | 11 | | Swab tube and inspect bore | 3 |
| *FDC Crew* | | | | | |
| 2 | 1 | 1 | Fire direction officer | Announce fire order | 2 |
| 2 | 1 | 2 | | Review calculations | 5 |
| 2 | 1 | 3 | | Announce fire mission | 3 |
| 2 | 2 | 4 | Horizontal control operator | Plot target location on chart | 5 |
| 2 | 2 | 5 | | Orient range-deflection protractor | 3 |
| 2 | 2 | 6 | | Read range-deflection protractor | 3 |
| 2 | 3 | 7 | Computer | Calculate fuze setting, deflection, and quadrant elevation | 15 |
| 2 | 3 | 8 | | Announce fire commands to guns | 3 |

Table 2. Crew tasks (Concluded).

| | | | | | |
|---|---|---|---|---|---|
| | | | *Tank Crew* | | |
| 3 | 1 | 1 | Tank commander | Issue fire command | 1 |
| 3 | 1 | 2 | | Range the target | 5 |
| 3 | 1 | 3 | | Depress and lay gun for direction | 3 |
| 3 | 1 | 4 | | Issue subsequent fire command | 4 |
| 3 | 2 | 5 | Gunner | Identify target | 1 |
| 3 | 2 | 6 | | Aim and fire | 6 |
| 3 | 2 | 7 | | Apply fire adjustment and fire | 7 |
| 3 | 3 | 8 | Loader | Arm | 1 |
| 3 | 3 | 9 | | Load and arm | 5 |
| 3 | 4 | 10 | Driver | Stop | 4 |
| | | | *TOW Crew* | | |
| 4 | 1 | 1 | Squad leader | Designate azimuth and target | 4 |
| 4 | 1 | 2 | | Command driver to firing position | 2 |
| 4 | 2 | 3 | Gunner | Set superelevation, erect, slew 170 deg to 10 deg azimuth | 17[c] |
| 4 | 2 | 4 | | Adjust magnification, acquire targets, identify, arm, and fire | 7 |
| 4 | 3 | 5 | Driver | From standstill, drive forward 40 ft and stop | 20 |
| 4 | 4 | 6 | Loader | Reload | 60 |
| 4 | 4 | 7 | | Rearrange ready rack | 60 |
| 4 | 2[d] | 8 | Gunner | Target tracking accuracy (probability of staying on target during last 6 sec of flight) | 90%[d] |

[a]Crew type is indicated by the following numbers: 1, gun crew; 2, FDC crew; 3, tank crew; 4, TOW crew.

[b]Includes 2 sec machine time.

[c]Includes 15 sec machine time.

[d]Performance on this task is measured in terms of accuracy; therefore, usual performance is expressed in terms of probability of staying on target rather than time to perform the task. To emphasize that difference, the question was formatted differently on the questionnaire and presented in a different order from the other gunner tasks (see Fig. 1).

familiar to both military and nonmilitary persons. Four of the ordinary tasks did not have stipulated normal values. For cross-calibration purposes, the questions about ordinary tasks with unstipulated norms were to be included on a questionnaire intended to be administered to a group of persons who had experienced radiation sickness from radiotherapy.

Three categories were provided for answers to the questions with stipulated norms: (1) no increase in time (relative to the usual time), (2) amount of time (if longer than usual time), and (3) could not do it at all. All of the questions about crew tasks, with the single exception of the tracking accuracy question on the TOW crew questionnaire, pertained to the time to perform a task. No account was taken of the possible increase in errors that might accompany the increase in time for a sick crewmember to do a task. Although an increase in errors is to be expected of a sick crewmember, we found that concept difficult for the soldiers to accept, especially when coupled with the fact that they viewed many tasks as either being "completed" or "not completed." Since reliable, consistent estimates could not be obtained from the soldiers on that topic without an extensive introductory discussion, the questions were framed about time only.

Performance

Some crewmember tasks include a fixed time for mechanical equipment to perform some function. In the questionnaire, the tasks were presented with the human and equipment times combined because the soldiers had experienced it that way, and discussed it that way when the questionnaire was being developed. An example is shown in Fig. 1. For the gunner's first task, "Set superelevation, erect, slew 170 deg (17 sec)," the ITV turret takes 15 sec to erect and slew, and it takes the gunner 2 sec to initiate the sequence, so the entire sequence takes 17 sec to complete. Our interest focused on the 2 sec portion for *human* performance. We therefore deducted 15 sec from both the "usual time" and the estimates of "time when sick" when we calculated performance.

When the replies were processed, they could be treated in one of three ways:

1. $t - t_0$: the difference between "time when sick" and "usual time."
2. $t/t_0$: the ratio of "time when sick" to "usual time."
3. $t_0/t$: the ratio of "usual time" to "time when sick."

Treating the responses as $t_0/t$ enables performance to be expressed in the interval extending from 1.0 to 0, where 1.0 represents "usual time" and 0 represents "could not do it." Using $t_0/t$ also accommodates the indefinite boundary between "amount of time" and "could not do it." It was apparent from the soldiers' answers that that boundary differed widely between respondents. Some respondents did not give any answers larger than 30 times the usual time, whereas others gave answers as large as 300 times the usual time. In terms of the $t_0/t$ scale, however, that difference falls between a performance of 0.03 and 0.003, where the distinction is unimportant.

Symptom Complexes

The symptom description at the top of the questionnaire can be represented by a six-digit symptom complex number, such as 415314. Each place in that code corresponds to one of six symptom categories, and the value of each digit indicates the severity level for one of the symptoms. The symptom categories, in the order that they appear in the symptom complex number, are as follows: upper gastrointestinal distress; lower gastrointestinal distress; fatigability and weakness; hypotension; infection, bleeding, and fever; fluid loss and electrolyte imbalance. Thus, the above sample code number (415314) indicates the following: no effect for the second and fifth symptom categories (lower gastrointestinal distress, and infection and bleeding); an effect of severity level 4 for the first symptom category (upper gastrointestinal distress), level 5 for the third symptom category (fatigability and weakness), level 3 for the fourth symptom category (hypotension), and level 4 for the sixth category (fluid loss and electrolyte imbalance).

EXCLUSIONS

The first page of the questionnaire (Fig. 2) was designed to collect demographic information about the respondents. The complete body of demographic data is listed in Appendix B, and summarized in Table 3.

A histogram of the demographic responses is shown in Fig. 3. The vertical dotted line denotes the threshold for exclusion used in Glickman et al. [1983]. The preponderance of respondents for tank and TOW crews cluster toward the high end of all three histograms; "Grade," "Time in specialty," and "Number supervised." Only one respondent for each of those crews (302, 414)* failed to meet the criteria. Respondents for the artillery crews (gun crews and FDC crews), on the other hand, cluster more closely toward the exclusion thresholds. Indeed, 18 of those respondents failed to meet the criteria. That difference suggests that the artillery sample was unlike the tank and TOW crew samples and might perhaps make different judgments.

Any respondent who failed to meet one of the criteria was excluded. Some respondents failed to meet more than one criterion. Four were excluded because their rank indicated insufficient responsibility. Two of those four could also have been excluded on the basis of insufficient time in their specialty. One other respondent was excluded on the basis of both insufficient time in his specialty and insufficient supervisory experience.

In all, 15 respondents reported insufficient supervisory experience. But there was one peculiar aspect of responses to the question about supervisory experience; some respondents with 10 years in their specialty, for example, claimed to have supervised only 10 or 20 crewmembers. Most respondents with that much experience claimed to have supervised more than 50 crewmembers. It may be that some respondents interpreted the

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*The respondent numbers are given here to permit readers to examine the demographic data for each excluded respondent, which are listed in Table 3, and to examine the full set of answers from each of the 21 rejected respondents listed in Appendix D. Each respondent is signified by a three-digit code, with the first digit indicating the type of crew they had supervised (see Table 2). Gun crews are designated as 1, FDC crews as 2, tank crews as 3, and TOW crews as 4. The last two digits indicate the order in which the respondents completed the questionnaire.

To help us understand the characteristics of this group we are asking you to supply some information about your military experience. Please note that all your questionnaire responses will be strictly anonymous and there will be no attempt to link these responses to you as an individual. The answers to the information below will be used only for descriptive purposes. Please supply the following information about yourself:

Your present grade and MOS?______________________________

How long have you been in the Army?_________________________

How long have you been in anti-armor?_______________________

Have you been in combat? Yes_____ No _____ When________________

Have you been in anti-armor combat? Yes_____ No_____

When____________________

Have you served as a: When? How long?

Squad Leader______________________________________

Gunner____________________________________________

Loader____________________________________________

Driver____________________________________________

Approximately how many crewmen have you supervised in Mounted TOWs?

2 5 10 20 50 More than 50

Briefly describe your military duties during the past year:

__________________________________________________

__________________________________________________

__________________________________________________

__________________________________________________

__________________________________________________

__________________________________________________

Figure 2. Sample of demographic data sheet.

## Table 3. Demographic summary.

| Respondent | Grade | Time (months) | Number Supervised | Respondent | Grade | Time (months) | Number Supervised |
|---|---|---|---|---|---|---|---|
| 101 | 5 | 36 | 5 | 211 | 1[d] | 121 | 5 |
| 102[a] | 5 | 96 | 5 | 212 | 5 | 42 | 5 |
| 103[a,b] | 5 | 31 | 5 | 213 | 5 | 48 | -- |
| 104[a] | 6 | 120 | 10 | 214 | 6 | 84 | 10 |
| 105[a] | 5 | 51 | 20 | 215 | 4 | 30 | 5 |
| 106[a] | 5 | 120 | 5 | 216 | 5 | 54 | 10 |
| 107[a] | 5 | 60 | 10 | 217[c] | 6 | 102 | 2[c] |
| 108[a] | 5 | 46 | 5 | 218 | 7 | 192 | >50 |
| 109[a] | 6 | 120 | 10 | 219[c,e] | 4 | 11[e] | 0[c] |
| 110 | 5 | 72 | 10 | 220 | 5 | 48 | 10 |
| 111 | 5 | 50 | 20 | 221 | 5 | 12 | 5 |
| 112 | 5 | 39 | 5 | 222[c] | 5 | 62 | 2[c] |
| 113 | 5 | 96 | 5 | 223 | 4 | 48 | 5 |
| 114 | 5 | 48 | 10 | 224 | 4 | 24 | 5 |
| 115 | 6 | 48 | 10 | 225 | 4 | 25 | 5 |
| 116[c] | 5 | 42 | 2[c] | 226[c] | 6 | 108 | 0[c] |
| 117 | 4 | 32 | -- | 227 | 6 | 60 | 10 |
| 118 | 6 | 120 | 10 | 228 | 7 | 156 | <50 |
| 119 | 7 | 177 | 10 | 229[f] | -- | -- | -- |
| 120 | 6 | 96 | 50 | 230[f] | -- | -- | -- |
| 121 | 5 | ≈12 | 10 | 231[c,g] | 4 | 24 | 2[c] |
| 122 | 5 | 40 | 5 | 232[g] | 4 | 30 | 5 |
| 123[c] | 5 | 84 | 0[c] | 233[d,g,h] | 3[d] | 12 | --[h] |
| 124 | 5 | 72 | 5 | 234[c,g,h] | 4 | 12 | 0[c,h] |
| 125[c] | 5 | 48 | 0[c] | 235[g] | 5 | 36 | 5 |
| 126 | 6 | 24 | 5 | 236[g] | 5 | 48 | -- |
| 127 | 5 | 46 | 20 | 237[g] | 4 | 30 | -- |
| 128 | 5 | 14 | 5 | 238[g] | 4 | 30 | 10 |
| 129[c] | 5 | 48 | 0[c] | 239[c,g] | 4 | 30 | 2[c] |
| 130 | 7 | 156 | 10 | 301 | 6 | 96 | 20 |
| 131 | 7 | 144 | >50 | 302[c] | 6 | 60 | 0[c] |
| 132 | 5 | 40 | 5 | 303 | 6 | 96 | >50 |
| 133 | 5 | 36 | 5 | 304 | 6 | 84 | >50 |
| 134 | 5 | 30 | 20 | 305 | 6 | 166 | >50 |
| 135[c] | 5 | 30 | 0[c] | 306 | 6 | 108 | >50 |
| 136[c] | 5 | 52 | 0[c] | 307 | 6 | 96 | 10 |
| 137 | 6 | 84 | 5 | 308 | 7 | 84 | >50 |
| 138 | 5 | 36 | 10 | 309 | 6 | 60 | >50 |
| 139 | 6 | 84 | 10 | 310 | 6 | 96 | 20 |
| 201[a] | 7 | 72 | 10 | 311 | 6 | 120 | >50 |
| 202[a,c,d,e] | 3[d] | 9[e] | 0[c] | 312 | 6 | 108 | 20 |
| 203[a,c] | 4 | 28 | 0[c] | 313 | 6 | 120 | 50 |
| 204[a] | 4 | 62 | 5 | 314 | 6 | 108 | >50 |
| 205 | 4 | 28 | 5 | 315 | 6 | 102 | 50 |
| 206[c,d,e] | 2[d] | 6[e] | 0[c] | 316 | 6 | 84 | 20 |
| 207 | 5 | 24 | 5 | 317 | 6 | 96 | 20 |
| 208 | 4 | 30 | -- | 318 | 7 | 90 | >50 |
| 209 | 4 | 29 | 5 | 319 | 6 | 108 | 50 |
| 210 | 6 | 60 | 10 | 320 | 6 | 126 | >50 |

Table 3. Demographic summary (Concluded).

| Respondent | Grade | Time (months) | Number Supervised |
|---|---|---|---|
| 321 | 6 | 133 | 20 |
| 322 | 7 | 72 | >50 |
| 323 | 6 | 132 | 50 |
| 324 | 6 | 96 | >50 |
| 325 | 6 | 126 | >50 |
| 326[i] | 6 | 78 | >50 |
| 327 | 6 | 96 | 20 |
| 328 | 6 | 72 | 50 |
| 329 | 6 | 120 | >50 |
| 330 | 6 | 120 | 20 |
| 331 | 7 | 174 | 50 |
| 332 | 6 | 96 | >50 |
| 333 | 6 | 138 | >50 |
| 334 | 6 | 160 | 20 |
| 335[b] | 6 | 101 | >50 |
| 336 | 6 | 126 | 50 |
| 337 | 6 | 132 | >50 |
| 338 | 7 | 135 | >50 |
| 339 | 6 | 120 | >50 |
| 340[i] | 7 | 132 | >50 |
| 341 | 6 | 120 | >50 |
| 342[i] | 7 | 132 | >50 |
| 343 | 6 | 126 | 50 |
| 344 | 6 | 96 | 20 |
| 401 | 6 | 60 | >50 |
| 402 | 6 | 132 | >50 |
| 403 | 6 | 120 | 10 |
| 404 | 6 | 120 | 50 |
| 405 | 6 | 120 | >50 |
| 406 | 6 | 108 | 50 |
| 407 | 6 | 68 | 20 |
| 408 | 6 | 72 | 50 |
| 409 | 6 | 48 | 20 |
| 410 | 7 | 204 | >50 |
| 411 | 6 | 84 | 20 |
| 412 | 6 | 96 | >50 |
| 413 | 6 | 48 | 50 |
| 414[c] | 6 | 36 | 0[c] |
| 415 | 6 | 102 | 50 |
| 416 | 7 | 72 | >50 |
| 417 | 6 | 54 | >50 |
| 418 | 6 | 108 | >50 |
| 419 | 6 | 72 | >50 |
| 420 | 6 | 96 | 50 |
| 421 | 6 | 84 | 50 |
| 422 | 6 | 72 | 50 |
| 423 | 6 | 126 | 50 |
| 424 | 6 | 36 | >50 |
| 425 | 6 | 132 | >50 |
| 426 | 6 | 104 | 20 |
| 427 | 6 | 96 | 50 |
| 428 | 6 | 96 | 50 |
| 429[j] | 7 | 72 | 20[j] |
| 430 | 7 | 60 | >50 |
| 431[j] | 6 | 36 | 10[j] |
| 432 | 6 | 60 | >50 |
| 433 | 6 | 84 | >50 |
| 434 | 7 | 72 | 10 |
| 435 | 6 | 84 | >50 |
| 436 | 6 | 72 | 20 |
| 437 | 6 | 84 | >50 |
| 438 | 6 | 84 | 50 |
| 439 | 6 | 48 | 20 |
| 440 | 6 | 54 | 50 |
| 441 | 6 | 36 | >50 |

NOTE: Respondent numbers consist of a single-digit crew number (see Table 2) and a two-digit number indicating the order in which respondents finished the questionnaires.

[a]Pilot questionnaire.

[b]Manuscript missing; respondent excluded.

[c]<5 supervised; respondent excluded.

[d]<E4; respondent excluded.

[e]<12 months; respondent excluded.

[f]Questionnaire not administered.

[g]Postrun; symptom complexes in reverse order.

[h]Disqualified self--no experience.

[i]USMC.

[j]No ITV experience.

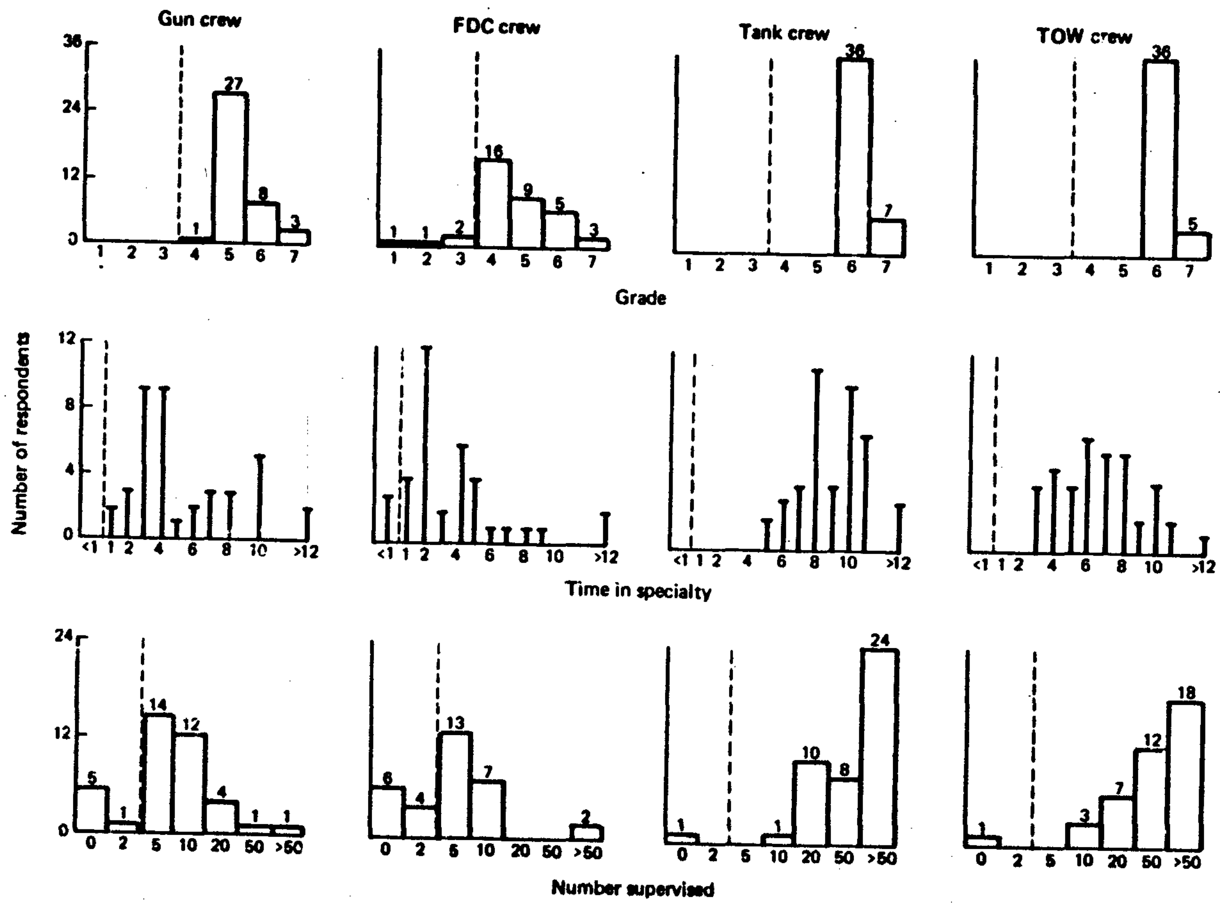



Figure 3. Histograms of demographic responses.

question to be "How many crewmembers have you supervised *at any one time?*" In that case, a tank platoon sergeant would claim 20. And, indeed, the tank crew respondents do show a bimodal distribution, perhaps due to that interpretation of the question. A bimodal distribution of number supervised also appears for the gun crews and FDC crews. That possible misinterpretation did not have any serious consequences for the tank and TOW crew samples, as they lost only one respondent each. However, the gun crew and FDC crew samples lost 6 and 7 respondents, respectively. Those figures represent a loss of 16 and 21 percent of the gun crew and FDC crew samples, as opposed to 3 percent of the tank and TOW crew samples.

Two of the respondents (429, 431) disqualified themselves. They noted on their demographic sheets that, although they had antiarmor experience, they did not feel qualified to make estimates about the TOW crews because they had had no ITV experience.

In two cases, manuscript questionnaires were missing. Responses from one respondent (103) had been transcribed into the data base. But the computer data could not be checked against the manuscript; thus, that respondent was excluded. In the other case (335), no responses had been entered into the computer, so the respondent was excluded.

## REJECTIONS

Unlike the excluded respondents, who were eliminated before their answers were recorded, rejected respondents were eliminated on the basis of the answers themselves. The reasons for rejecting those respondents fall into four categories: (1) noncompliance with the instructions, (2) concentration of answers at the extremes, (3) excessive consistency, and (4) reversals. Some respondents were rejected because of a combination of those factors. The rejected respondents' answers are shown in Appendix D.

### Noncompliance

One of the respondents (124) did not comply with the instructions to estimate the amount of time for a sick crewmember to perform each task (see Fig. 1). He marked the first sheet of his questionnaire

correctly, but all of the subsequent sheets contained checkmarks in column 2 instead of numerical estimates. Some respondents occasionally entered task times that were less than the usual time. Those entries were recorded as "no reply." In cases where they were numerous, however, they were considered, together with other nonresponsive answers, as one of the combined causes of rejection.

Extremes

Three respondents (113, 301, 304) submitted estimates that were predominantly at either of the two ends of the performance range: "no increase in time," or, "could not do it at all," with very few estimates in the range of degraded performance between the two extremes. That pattern was inconsistent with the pattern of the other respondents, who produced estimates indicating that they expected many of the symptom complexes to cause performance to be partially degraded.

Excessive Consistency

One respondent (303) was found to respond to many symptom complexes with the usual time for each different task multiplied by the same constant, or with the same constant added to the usual time for many different tasks. That respondent was removed from the sample because his estimates apply to the effect of the symptom complex on performance in general, rather than to the effect of the symptom complex on the performance of particular tasks.

Combined Causes

Eight respondents (115, 121, 218, 307, 309, 316, 338, and 403) were found to have many instances of excessive consistency, but not enough to provide conclusive grounds for rejection. When combined with other causes, each also individually insufficient for rejection, excessive consistency and the other combined causes do provide conclusive grounds for rejection. One respondent (403) was rejected for combined causes, plus reversals. Reversals are computed in a way that precludes adding the percentage of their incidence to the percentage of the incidence of other rejection causes.

Reversals

After removal of the extreme and consistent respondents, the estimates were reviewed to identify those instances where performance improved when sickness intensified. A few such instances should be expected for each respondent because (1) time was not provided for the respondents to cross-check their estimates, (2) the format of the questionnaire did not facilitate cross-checking, and (3) the questionnaire did not suggest cross-checking.

For each respondent, performance estimates were compared with tasks where the symptom complex differed in only one symptom, which we called an adjacent symptom complex. For example, a respondent's estimate for symptom complex 312111 would be compared with his estimates for symptom complexes 212111, 412111, 313111, and if no comparison with 313111 was possible, 314111. If the estimated performance for the adjacent symptom complex was the same, it was not counted. If it was different, it was counted as an "opportunity" (to detect a reversal). If the respondent had estimated that the more serious symptom produced higher performance than the less serious symptom, it was counted as a "reversal." The number of reversals was compared with the number of opportunities to obtain the percentage of reversals.

There are no clear cases where the percentage of reversals by a particular respondent approached or exceeded random guessing (50 percent). Six respondents (106, 138, 232, 238, 438) were rejected because the percentage of reversals indicated that their replies were not consistent with the intended graduation of symptom complexes.

QUESTIONABLE SYMPTOM DESCRIPTIONS

The percentage of reversals was also used as an index to judge the clarity of the symptom complex descriptions. That analysis showed that some symptom complexes produced many more reversals than average. A case in point is symptom complex 411111, which should be considered with care in any further analysis. We sought to resolve that and other uncertainties by revisiting the military facilities where the initial questionnaires were administered, and giving follow-up questionnaires to all of the original respondents still available.

To determine if the order of presentation of the symptom complexes had any effect upon the estimates of the respondents, the number of reversals were plotted against order of presentation. The plot, with lines connecting complexes of similar symptom groupings (Fig. 4), shows a pronounced learning curve with three characteristics: (1) the respondents made 10 percent more reversals on the first page of the questionnaire than they made on the worst of the other pages; (2) the respondents made more reversals the first time they encountered a symptom combination than they did on subsequent encounters, and, in general, the more times they encountered a symptom combination the fewer reversals they made; (3) the ability of the respondents to accommodate new symptom combinations appeared to deteriorate with increasing length of questionnaire.

Although the first symptom complex (411111) usually engendered more reversals than other symptom complexes, the difference between that symptom complex and the next worst complex was insufficient to justify deletion of all replies for complex 411111. In their indication of the confidence that they had in their estimates, the respondents did not show an awareness of the learning curve effect.

INTERPRETATION OF SYMPTOM DESCRIPTIONS

In the follow-up questionnaire, the respondents were asked how they interpreted our symptom descriptions. Figure 5 shows the format used to ask that question, and Figs. 6 through 13 are bar graphs of their answers.

The bar graphs indicate that the different groups of respondents sometimes said they interpreted the symptom descriptions quite differently. The less severe upper gastrointestinal distress symptom in Fig. 6a. for example, was correctly interpreted by about 80 percent of the TOW crew respondents so that "vomited once or twice; nauseated and may vomit again" meant that a crewmember did not vomit during the task in question, but only about 20 percent of the tank crew respondents said they gave the description that interpretation. The more severe upper gastrointestinal distress symptom in Fig. 6b was correctly interpreted by only 25 to 30 percent of the respondents. However, the upper gastrointestinal distress question was the first on the follow-up questionnaire, so we suspect that it is likely to have more errors than subsequent questions.

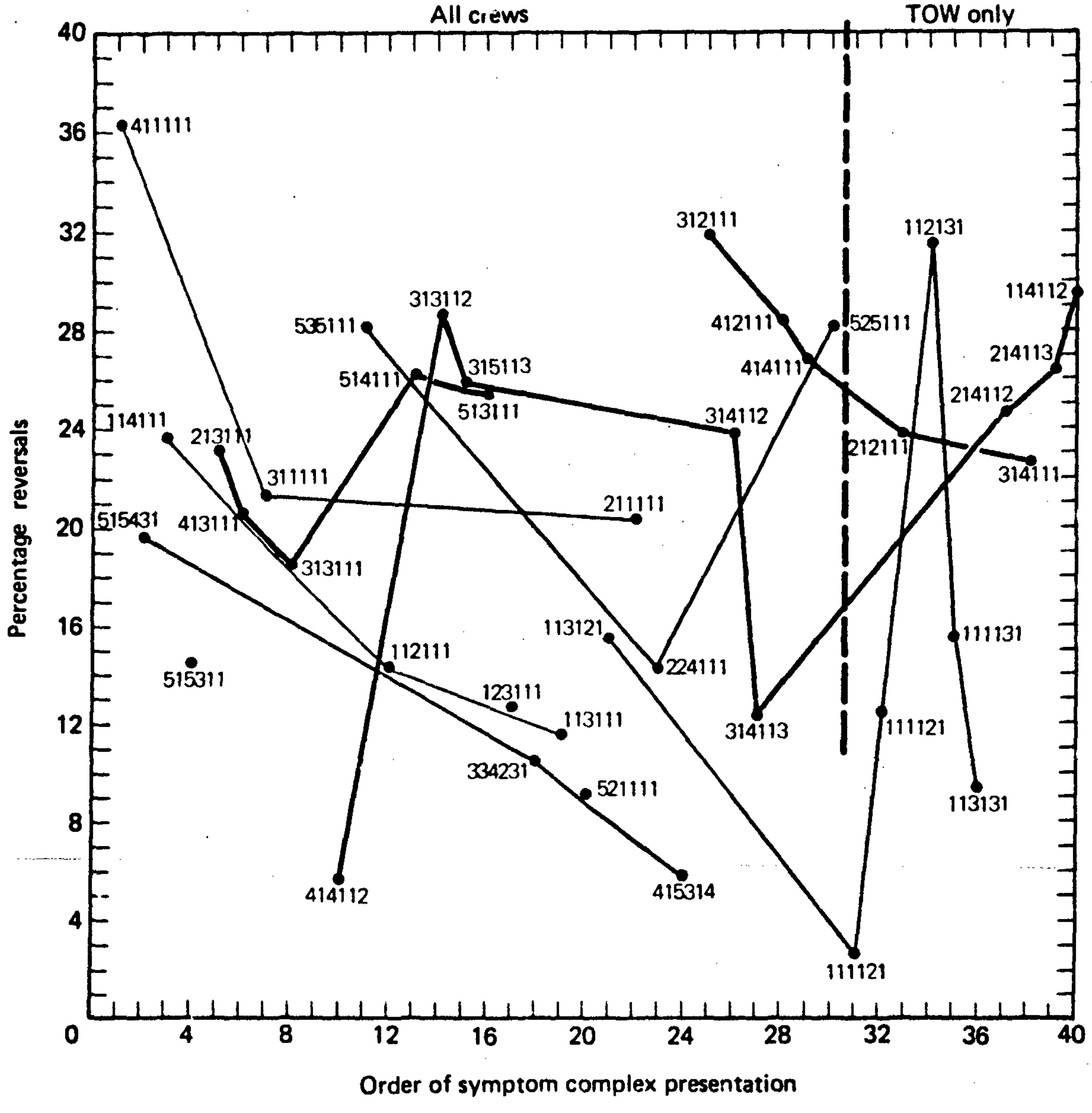



Figure 4. Learning curve.

| WHEN WE SAID: | DID THAT MEAN TO YOU: (Check one) | |
|---|---|---|
| Vomited once or twice; nauseated and may vomit again | Vomiting occurred during the task | |
| | Vomited before and after but not during the task | |
| Vomited several times, including the dry heaves; severely nauseated and will soon vomit again | Vomiting occurred during the task | |
| | Vomited before and after, but not during the task | |
| Occasional diarrhea, recently defecated and may again | Defecating during the task | |
| | Defecated before and after, but not during the task | |
| Frequent diarrhea and cramps, defecated several times and will again soon | During the task: | |
| | Defecated | |
| | Had cramps | |
| | Both | |
| | Before and after, but not during the task: | |
| | Defecated | |
| | Had cramps | |
| | Both | |
| Doesn't want to eat | Must be pretty sick | |
| | Doesn't matter | |
| Difficulty in stopping any bleeding | Bleeding | |
| | Not bleeding | |
| | Doesn't matter | |

Figure 5. Questions on symptom descriptions.

| Symptom | Description | |
|---|---|---|
| Unsteady upon standing quickly | Loaders are unsteady | |
| | Loaders are not unsteady | |
| | Tank commanders are unsteady | |
| | Tank commanders are not unsteady | |
| Faints upon standing quickly | Loaders faint | |
| | Loaders do not faint | |
| | Tank commanders faint | |
| | Tank commanders do not faint | |
| Weak and faint | Faints | |
| | If careful, can keep from fainting | |
| | Doesn't faint | |
| | Only loaders faint | |
| May faint with moderate exertion | Faints | |
| | If careful, can keep from fainting | |
| | Doesn't faint | |
| | Only loaders faint | |
| Joints ache | Affects everybody | |
| | Affects only those who have to move around a lot | |
| | Affects only those who have to move heavy objects | |
| | Doesn't matter | |

Figure 5. Questions on symptom descriptions (Continued).

| | | |
|---|---|---|
| Aches all over | Affects everybody | |
| | Affects only those who have to move around a lot | |
| | Affects only those who have to move heavy objects | |
| | Doesn't matter | |
| Has difficulty moving | Affects everybody | |
| | Affects only those who have to move around a lot | |
| | Affects only those who have to move heavy objects | |
| | Doesn't matter | |
| Headache | Affects aiming and tracking targets | |
| | Affects calculating | |
| | Affects attention and concentration | |
| | Affects aggressiveness | |
| | Doesn't matter | |
| Very painful headache | Affects aiming and tracking targets | |
| | Affects calculating | |
| | Affects attention and concentration | |
| | Affects aggressiveness | |
| | Doesn't matter | |

Figure 5. Questions on symptom descriptions (Concluded).

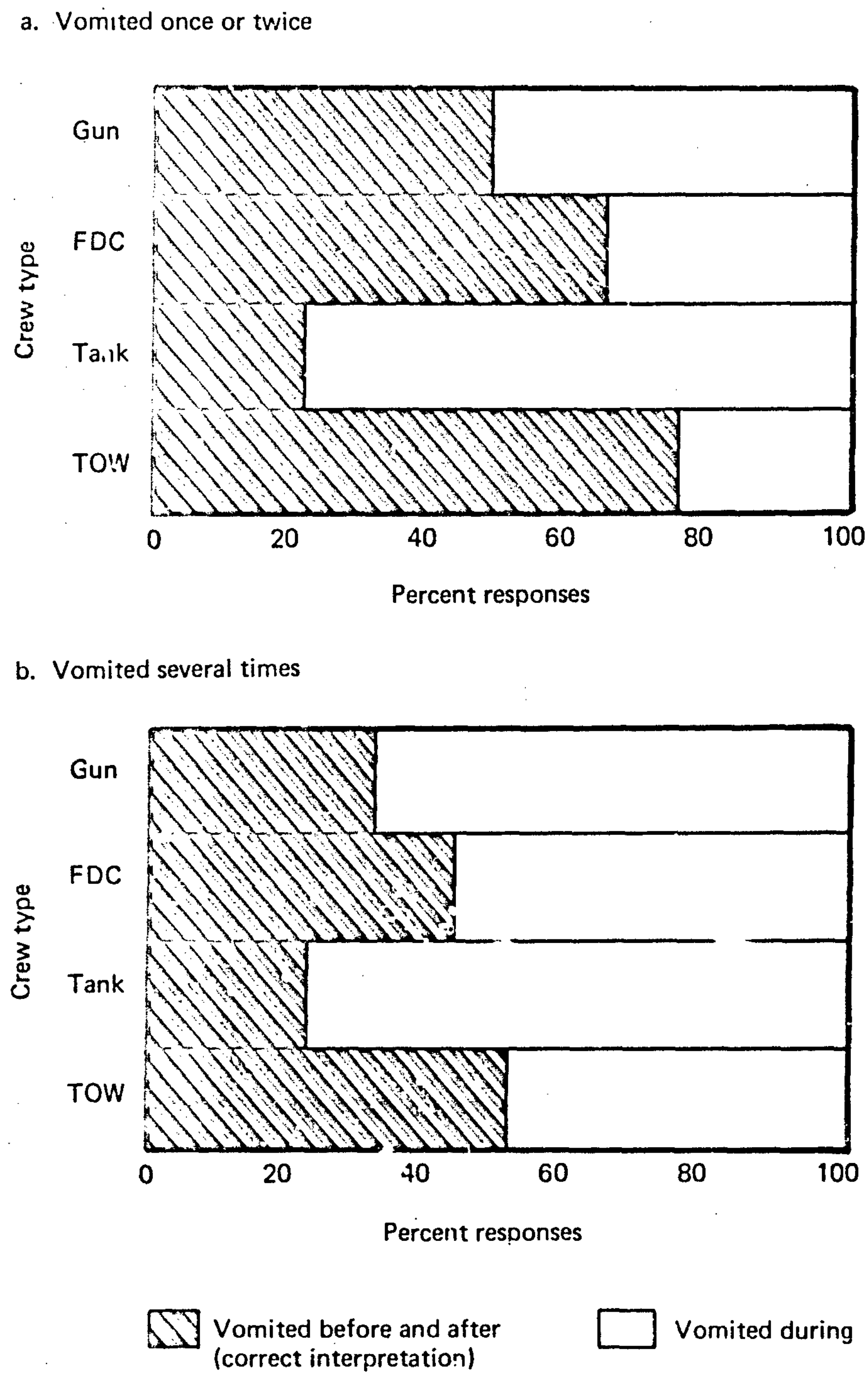



Figure 6. Interpretation of upper gastric symptoms.

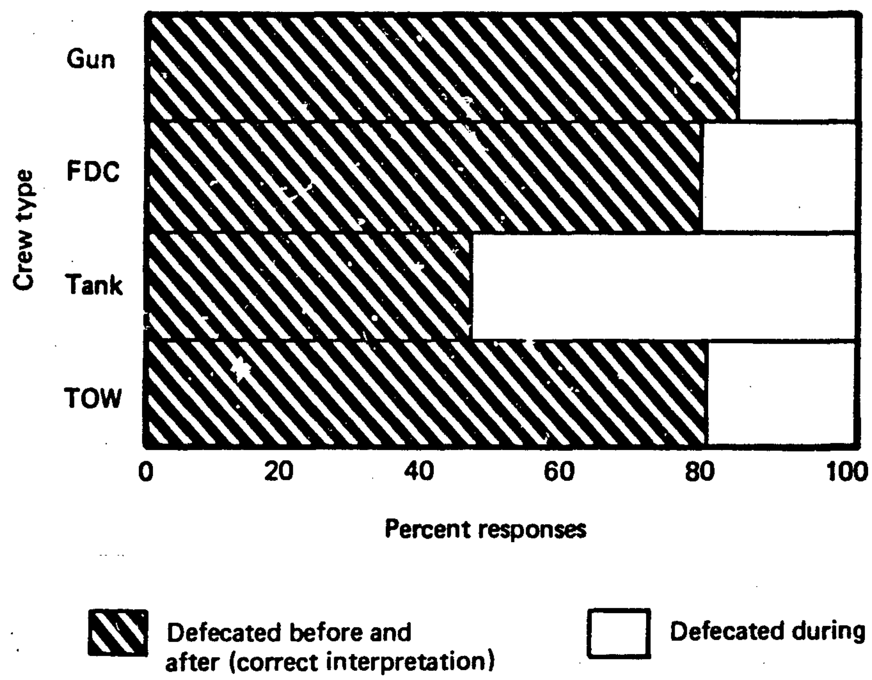



Figure 7. Interpretation of lower gastric symptoms: occasional diarrhea.

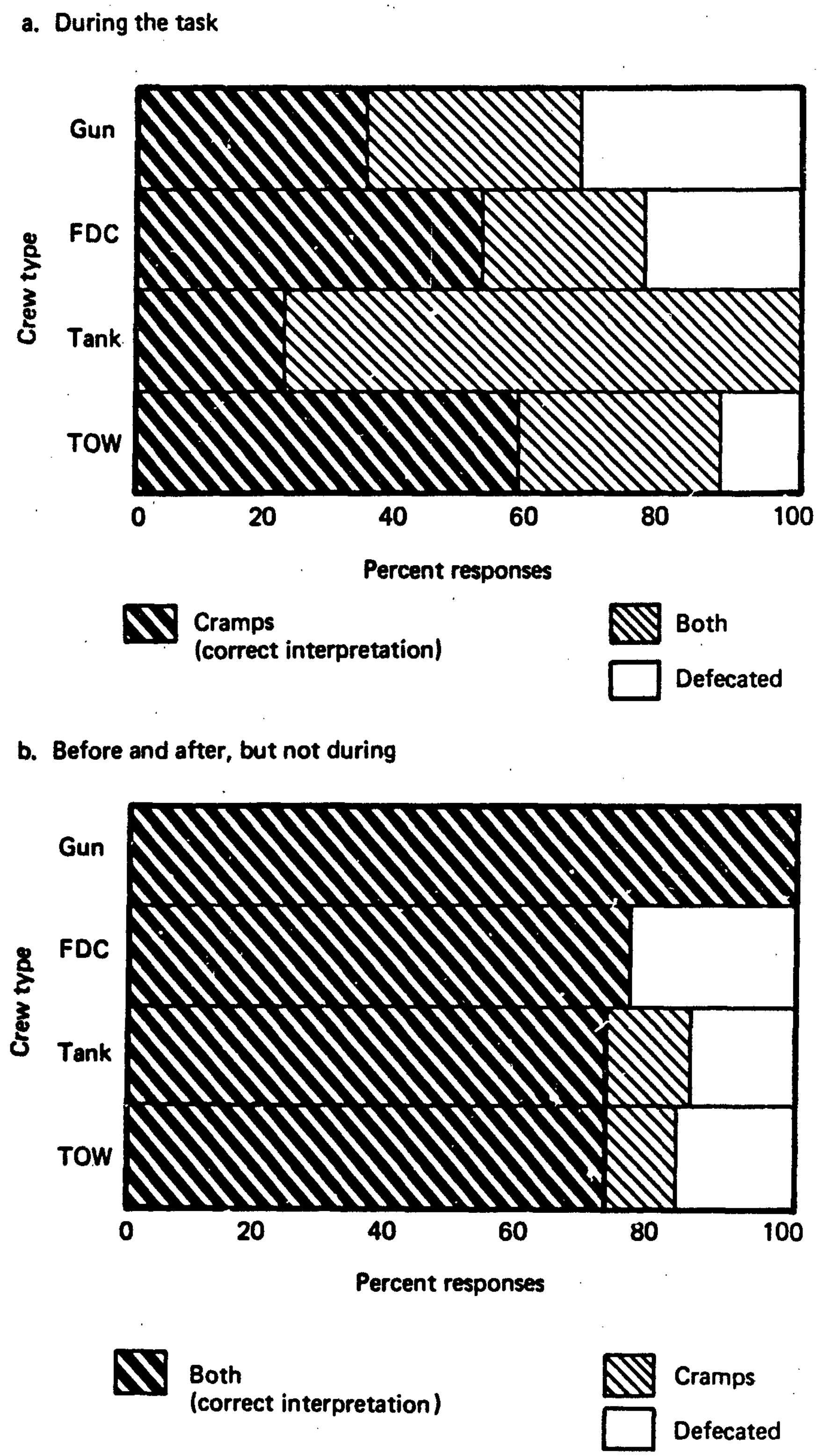



Figure 8. Interpretation of lower gastric symptoms: frequent diarrhea and cramps, defecated several times and will again soon.

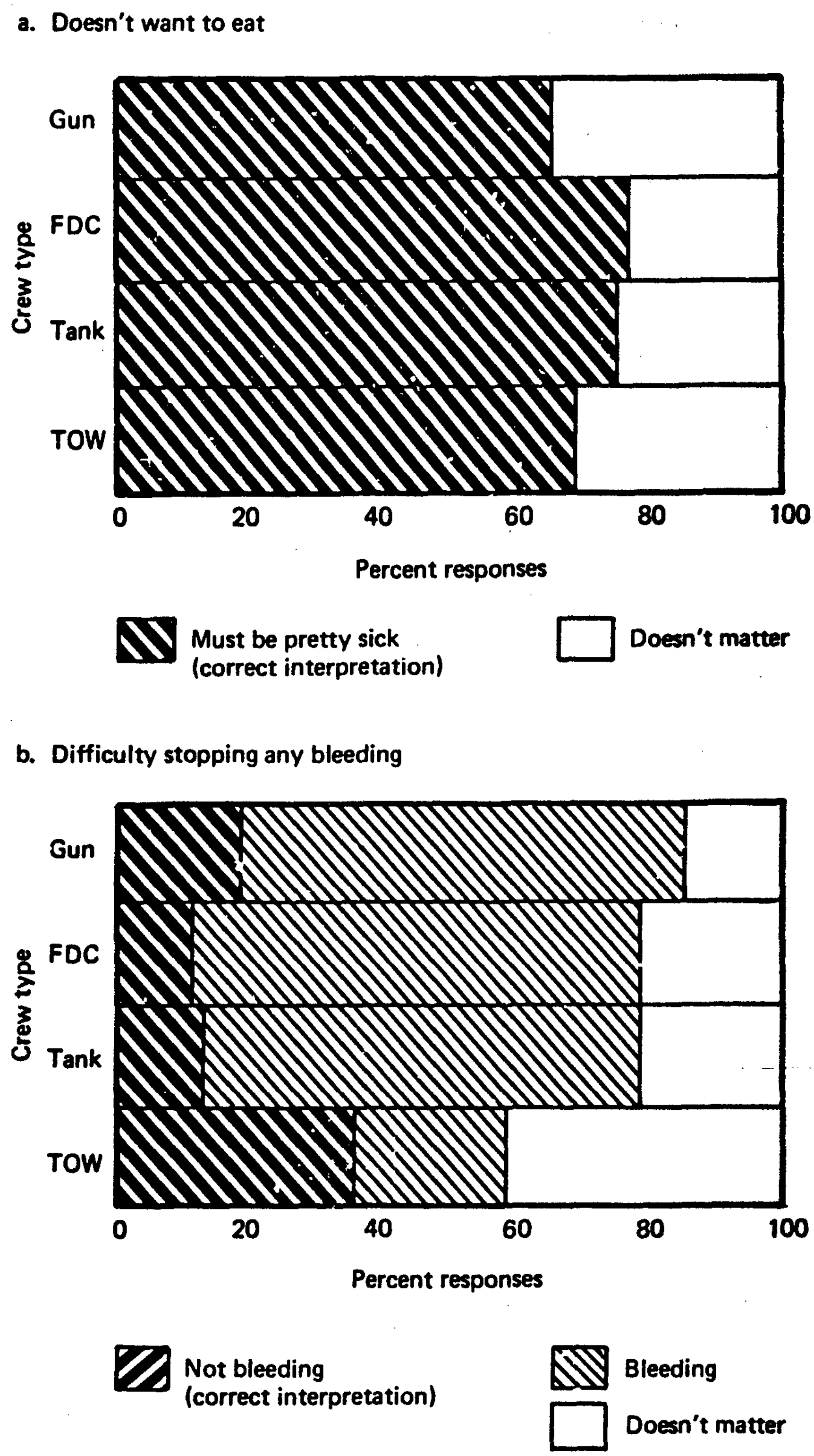



Figure 9. Interpretation of anorexia and bleeding symptoms.

The less severe lower gastrointestinal distress symptom (Fig. 7) was correctly interpreted by about 80 percent of the respondents, for all crews except the tank crew, where about 45 percent of the respondents interpreted the description correctly. The more severe lower gastrointestinal distress symptoms were correctly interpreted by 20 to 60 percent of the respondents for the period during the task (Fig. 8a). On the other hand. for the period before and after the task (Fig. 8b), the symptom was correctly interpreted by 75 to 100 percent of the respondents.

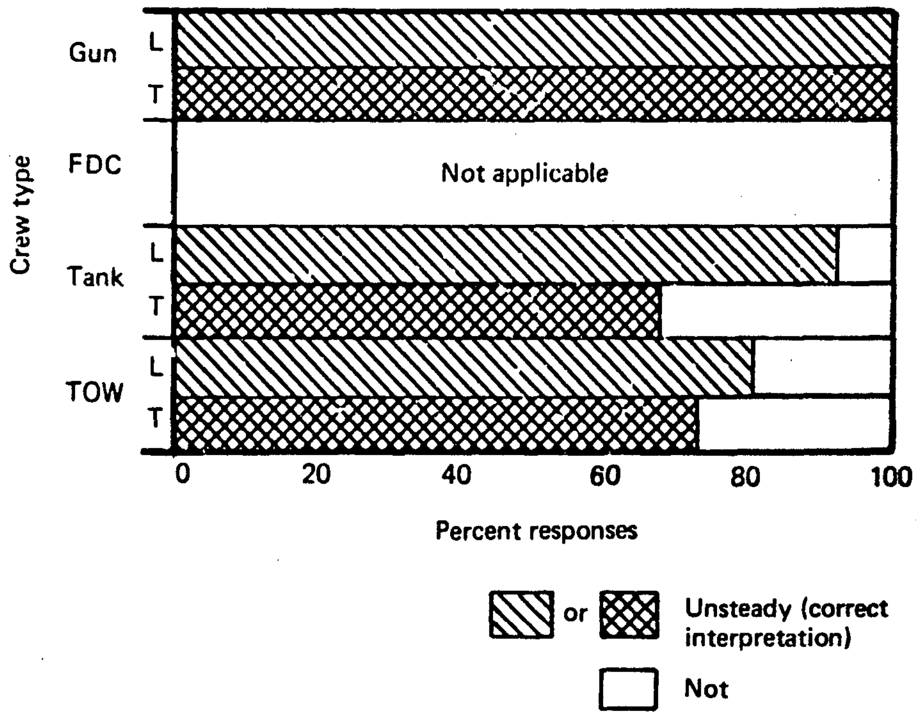
Figure 9 shows that 60 to 75 percent of the respondents interpreted anorexia as we had intended, but only 15 to 35 percent of the respondents correctly interpreted "difficulty in stopping any bleeding."

Correct interpretation of the less severe hypotension symptoms (Figs. 10a and b) varies from about 60 to 100 percent, except for the TOW crew respondents' interpretation of tank commanders (i.e., TOW squad leaders) fainting upon standing quickly (Fig. 10b). Correct interpretation of the more severe hypotension symptoms (Figs. 10c and d) fell between 60 and 85 percent for respondents from all crews.

Between 45 and 85 percent of the respondents correctly interpreted the reduction in loss of mobility that accompanies infections (Fig. 11). The other respondents usually said there would be some effect, but many FDC crew respondents (20 to 40 percent) said that mobility difficulties would not matter. That answer may reflect the sedentary nature of operations within the FDC during those times that the FDC is directing fire rather than moving from place to place.

Unlike the interpretation of the effects of hypotension, which appears to be crew-related, the general effect of headache (Fig. 12) is interpreted by the respondents to affect performance of all crews, but particular effects (Fig. 13) are assessed to apply less to activities that the crew does not perform. For example, the gun crew does aiming but no calculating, and the FDC crew does calculating but no aiming and tracking. Respondents from those crews estimated that there would be a significant (40 to 65 percent) headache effect on the kinds of activities their own crew performed, and little or no headache effect (0 to 2 percent) on the kinds of activities their crew did not perform.

a. Unsteady upon standing qu.ckly




b. Faints upon standing quickly

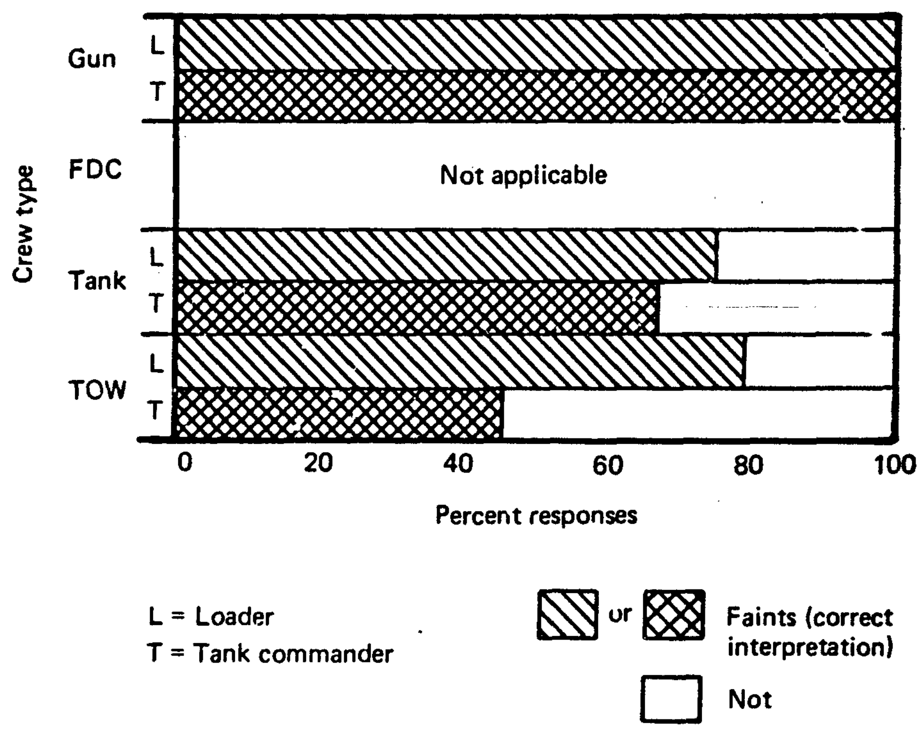
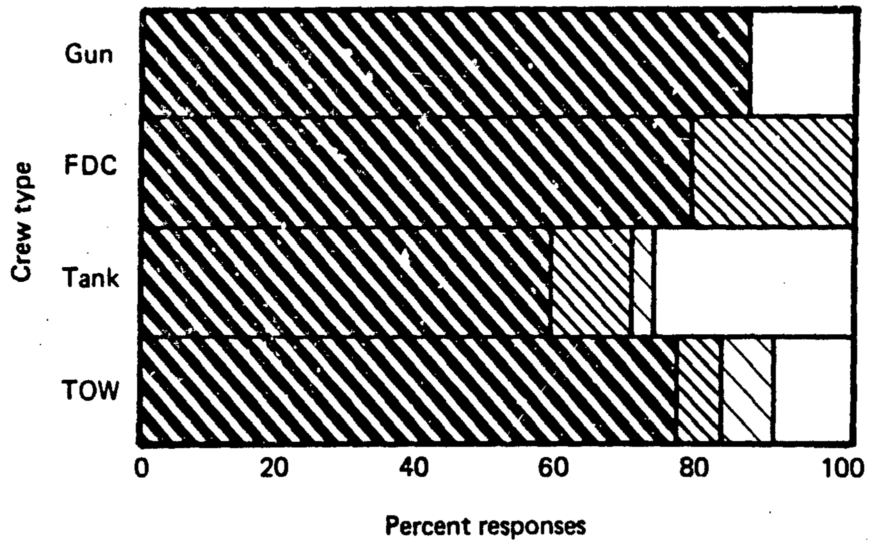



Figure 10. Interpretation of hypotension symptoms.

c. Weak and faint




d. May faint with moderate exertion

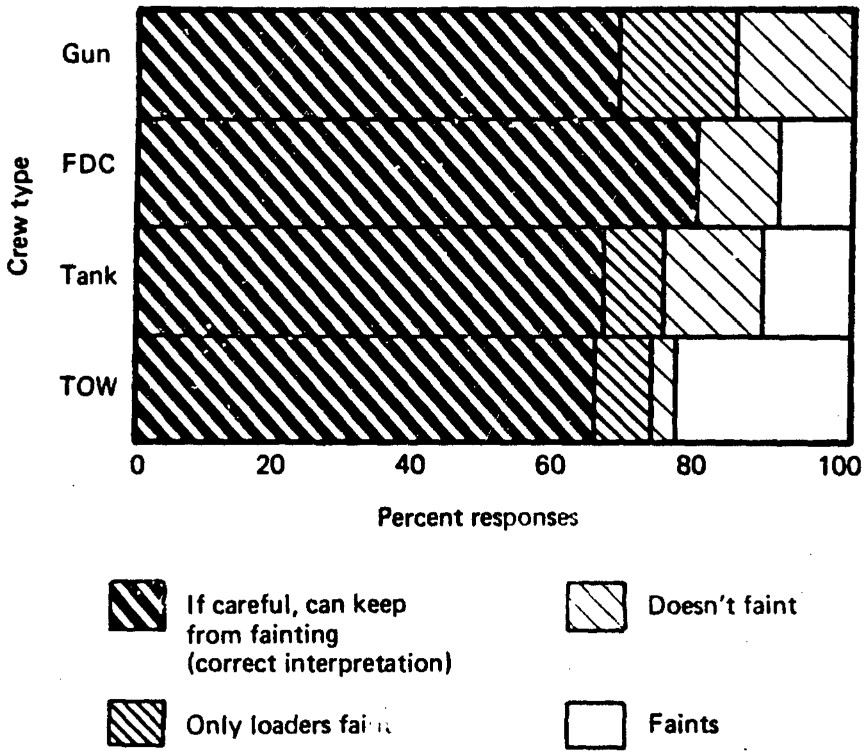



Figure 10. Interpretation of hypotension symptoms (Concluded).

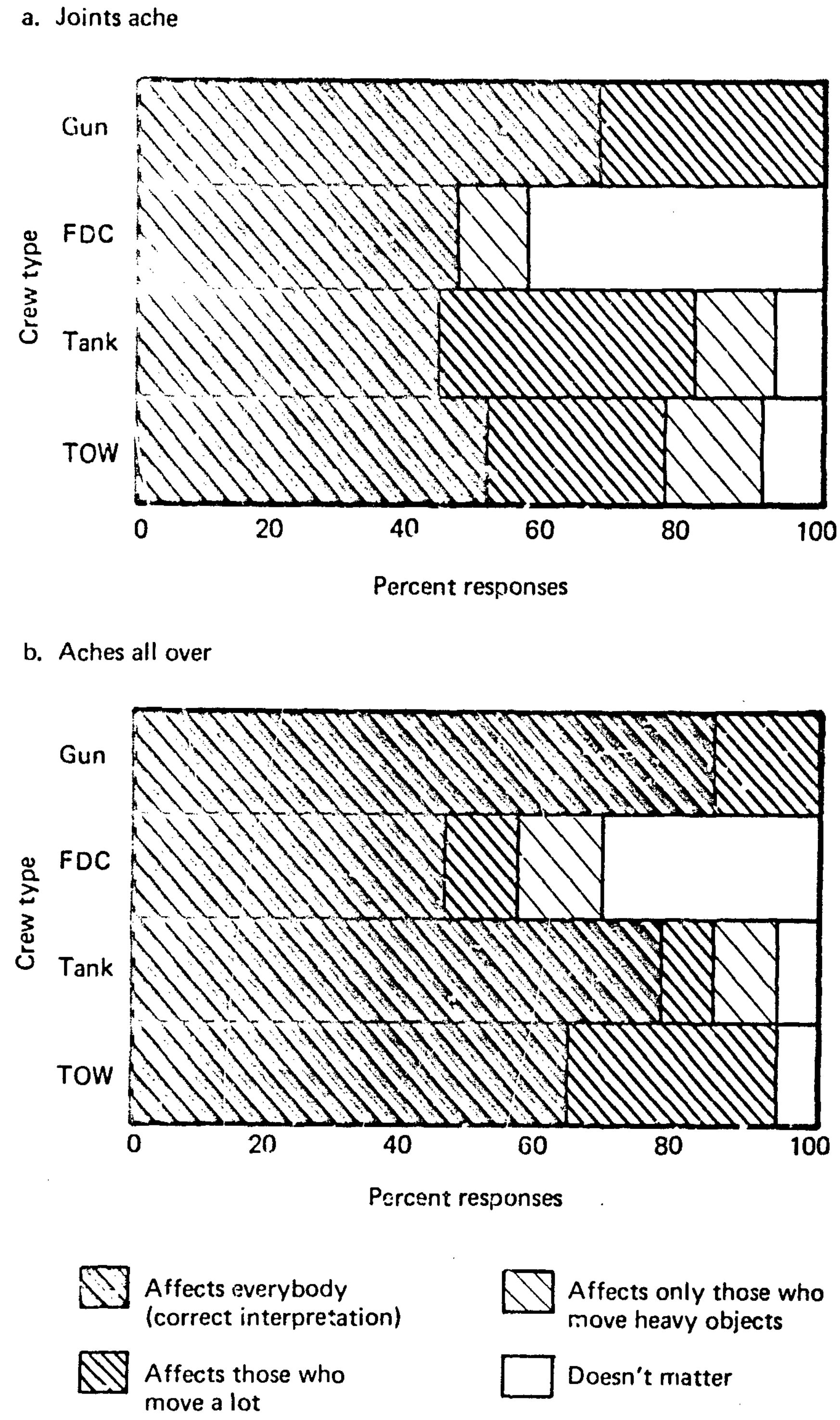



Figure 11. Interpretation of infection symptoms (mobility).

c. Difficulty moving

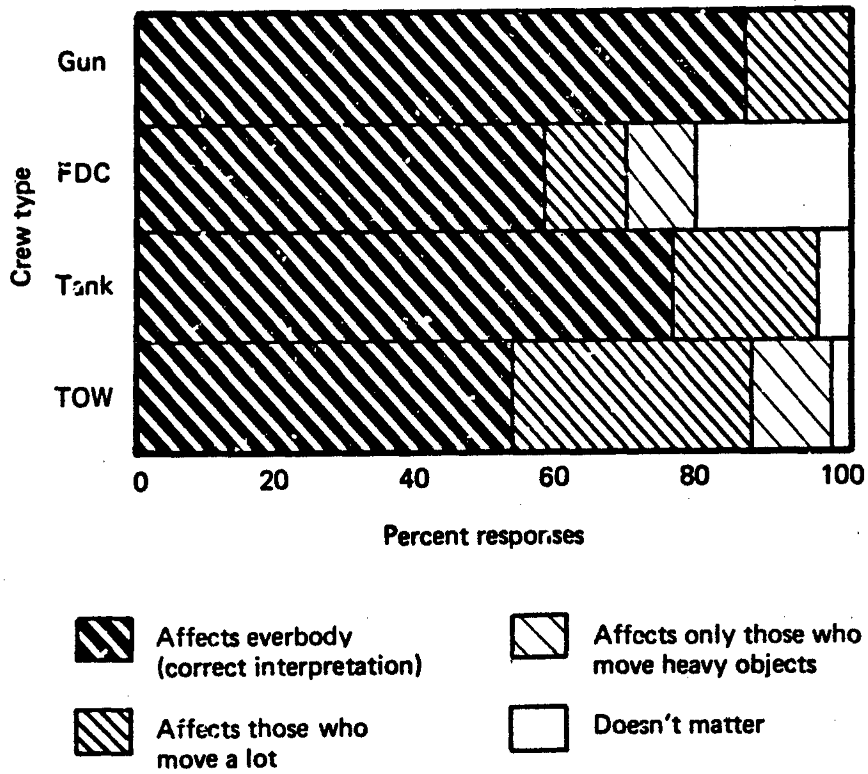



Figure 11. Interpretation of infection symptoms (Concluded).

a. Headache

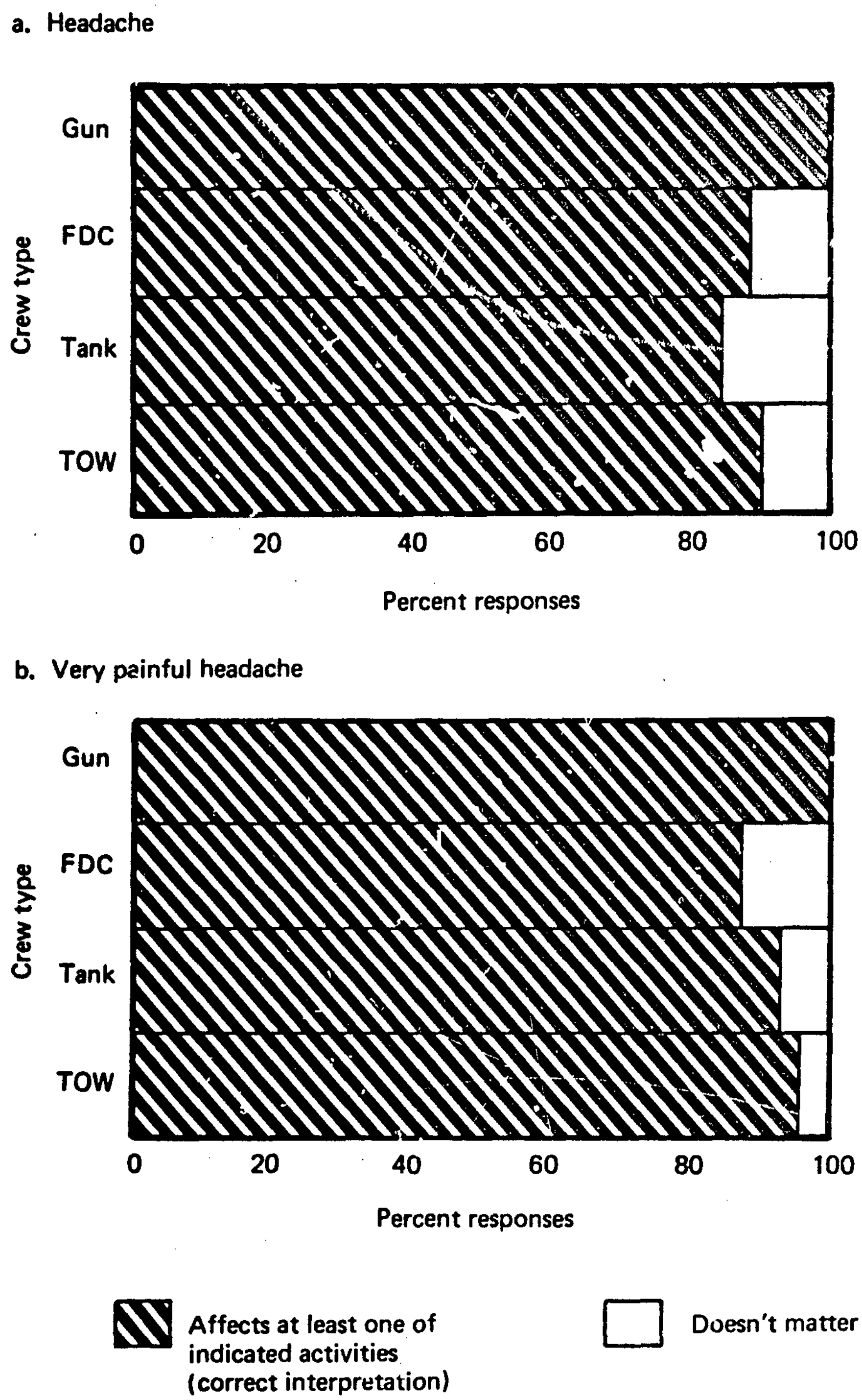
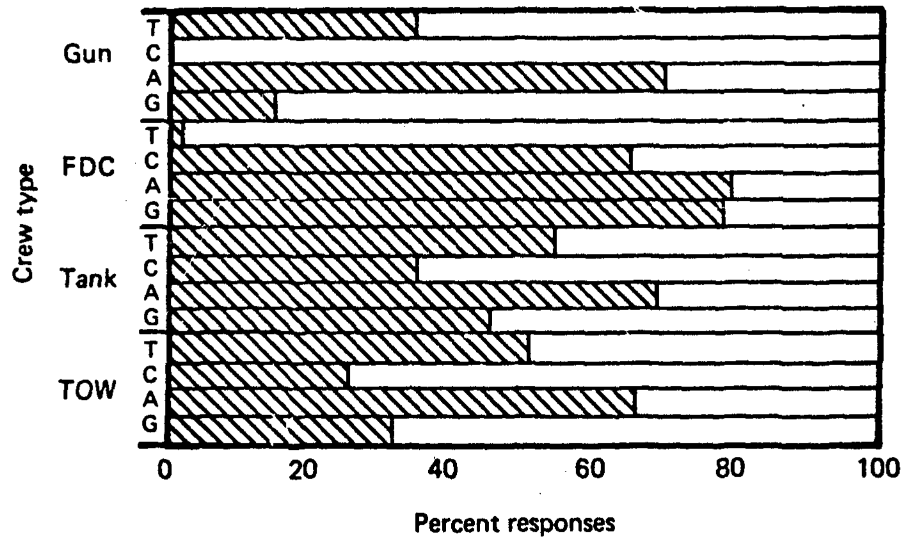



Figure 12. Interpretation of headache symptoms.

a. Headache




b. Very painful headache

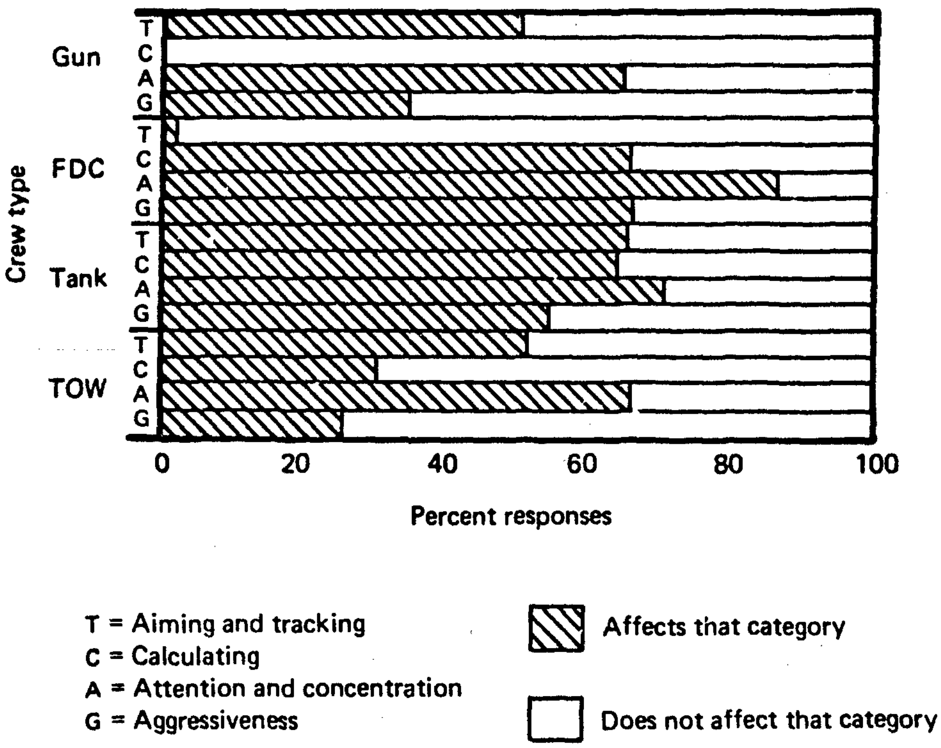



Figure 13. Activities affected by headache.

Unfortunately, the number of respondents who answered the follow-up questionnaire for the artillery (6 for the gun crew and 10 for the FDC crew) was much smaller than for the tank and TOW crews (27 and 40). Consequently, the follow-up questionnaire does not permit a confident assessment of the effect of symptom interpretations upon the answers of the artillery respondents.

Also, that part of the follow-up questionnaire required the respondents to recall the opinions they had acted upon some 2 months previously when they filled in the questionnaire. It may be that the interpretations were less obvious to the respondents when the symptom descriptions were embedded in the fabric of the questionnaires than they were when explicitly described by the follow-up questionnaire.

TASKS WITH UNSTIPULATED NORMS

Six of the tasks in the original questionnaire were ordinary (non-military) tasks, as opposed to combat crew tasks. The ordinary tasks concerned climbing stairs, walking, carrying boxes, and opening combination locks (see Fig. 1). Four of those ordinary tasks had no "usual" reference times stipulated. In administering the questionnaire to TOW crewmembers, we asked them to stipulate their own estimates of "usual" values for the performance of a typical crewmember when unaffected by sickness. We then compared their estimates for best performance of those ordinary tasks by a sick crewmember with their estimates for performance by a well crewmember. Figure 14 shows how the responses were typically distributed. About one-third of the estimates of best performance when sick were equal to performance when well, which is reasonable. Such a finding indicates that about one-third of the respondents believed that at least one of the symptom complexes would cause no deterioration in normal performance.

Somewhat less than one-half of the respondents estimated that best performance when sick would not exceed performance when well. That too is reasonable. But somewhat more than one-quarter of the respondents estimated that sick performance, for at least one symptom complex, would exceed well performance. A possible explanation is that those respondents did not recall the precise estimate of well performance that they

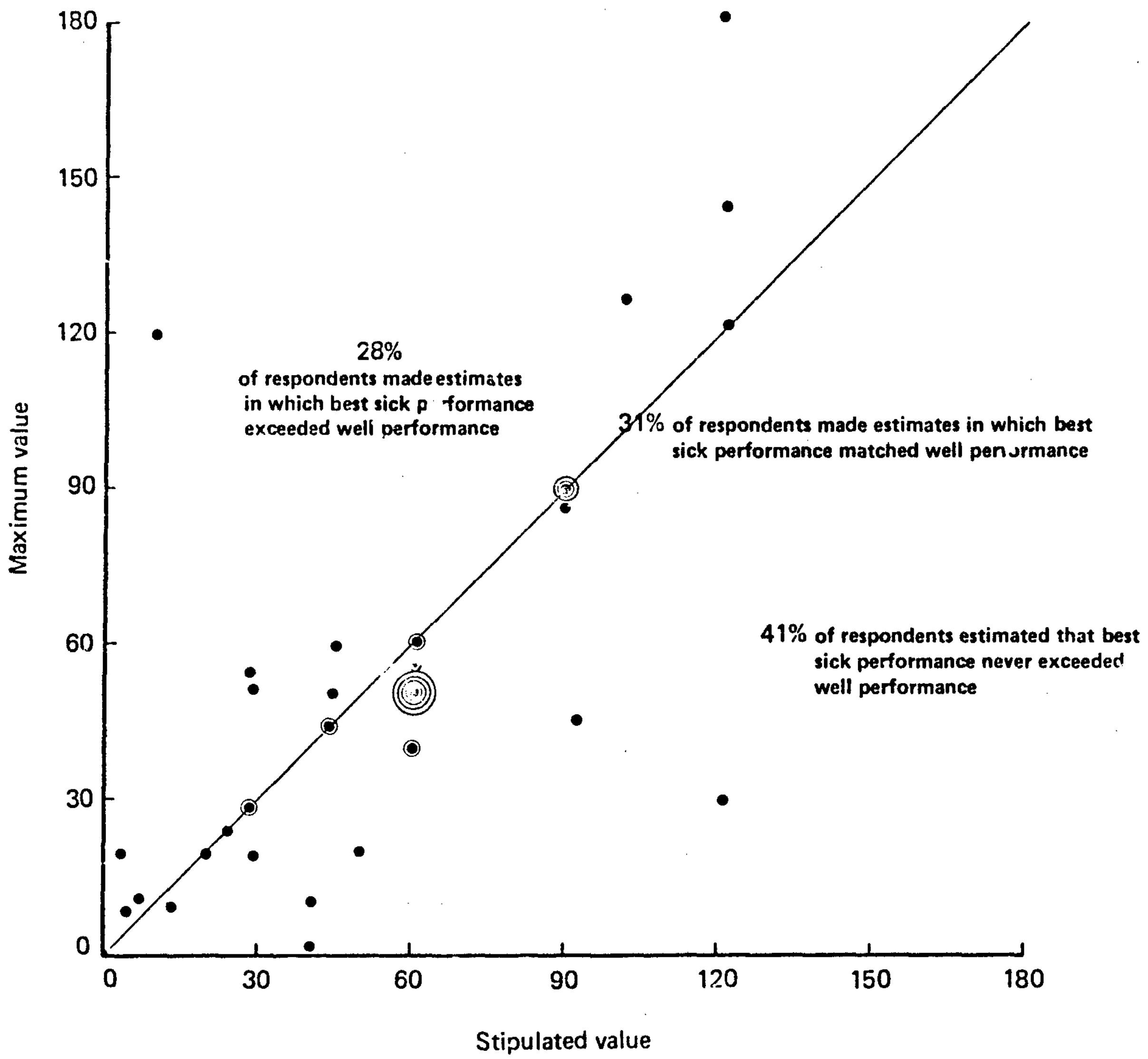



Figure 14. Tasks with unstipulated norms: "How long could a crewmember keep walking . . .?"

specified at the beginning of the questionnaire. Such a lack of recall may have permitted them to make subsequent estimates of sick performance that exceeded their estimates of well performance.

That kind of reversal did not occur in significant numbers for the two ordinary tasks for which the usual times were stipulated on the questionnaire. We thus conclude that: (1) up to 25 percent reversals should be anticipated and be regarded as normal, and (2) the use of questions with unstipulated norms should be avoided.

SINGLE SYMPTOM

The regression analysis of Sec. 3 was intended to fill the gaps in the sequence of symptom complexes because there was not time to ask the soldiers to estimate performance for all of the probable complexes. The estimates that we did obtain from the soldiers can be plotted to show how patterns of performance change with the increase in severity of a single symptom in a complex. This subsection explains that process, and shows that the soldiers estimated that, in most cases, performance declines fairly uniformly as symptom intensity increases, so that a linear regression to fill the gaps between estimates is a reasonable procedure for most of the individual tasks treated here.

The symptom complexes are descriptions of discrete sickness states. Each symptom level is intended to be more severe than the preceding level, but was not intended to be a regular increment along some scale. Also, the scales do not imply that performance at any particular symptom level is necessarily worse than that at the preceding symptom level. It was expected that in some instances performance might remain constant as symptom intensity increased, particularly in cases where the increase in severity occurs in a symptom that does not have a strong influence on the task being plotted. In fact, the soldiers estimated that this would happen in several instances.

Furthermore, it was expected that, in some instances, performance might decline more drastically from one symptom level to the next than for the preceding or following symptom level. And, in fact, the soldiers estimated that this would happen in several instances, as shown in Appendix C. Those plots compare performance estimates for two or three

symptom complexes where symptom severity levels differ in only one symptom, and severity levels for all other symptoms in the complex are held constant. Figure 15 is an example of a single-symptom plot showing the estimated performance of a typical tank crew loader for symptom complexes 411111, 412111, 413111, and 414111. Because the severity level for only one symptom category (fatigability and weakness) changes in this comparison, performance should either decrease or remain the same as the level of fatigability and weakness increases. And it does just that in this case, as in most of the plots in Appendix C. Figure 16, an example of the format used in Appendix C, shows the single-symptom plots for both the tasks performed by the tank crew loader.

## VARIANCE

If our description of symptoms was ambiguous, we should expect to see some consistency in the occurrence of wide interquartile ranges for one symptom complex at many tasks. Such consistency occasionally occurs. The most pronounced cases are listed in Table 4. However, there is no occurrence of consistently wide interquartile ranges for all tasks with any of the symptom complexes, so we can conclude that the symptom descriptions do not contain serious ambiguity.

## DATA BASE FOR PERFORMANCE ESTIMATES

The performance data base used for the performance regression analyses, described in Sec. 3, is composed of the soldiers' estimates, with the exclusion and rejection of the respondents identified in this section. We believe that the data base represents the aggregate professional estimate of soldiers who are expert in supervising crewmembers performing the tasks described on the questionnaire, and that the most serious of the spurious estimates have been filtered out of the data.

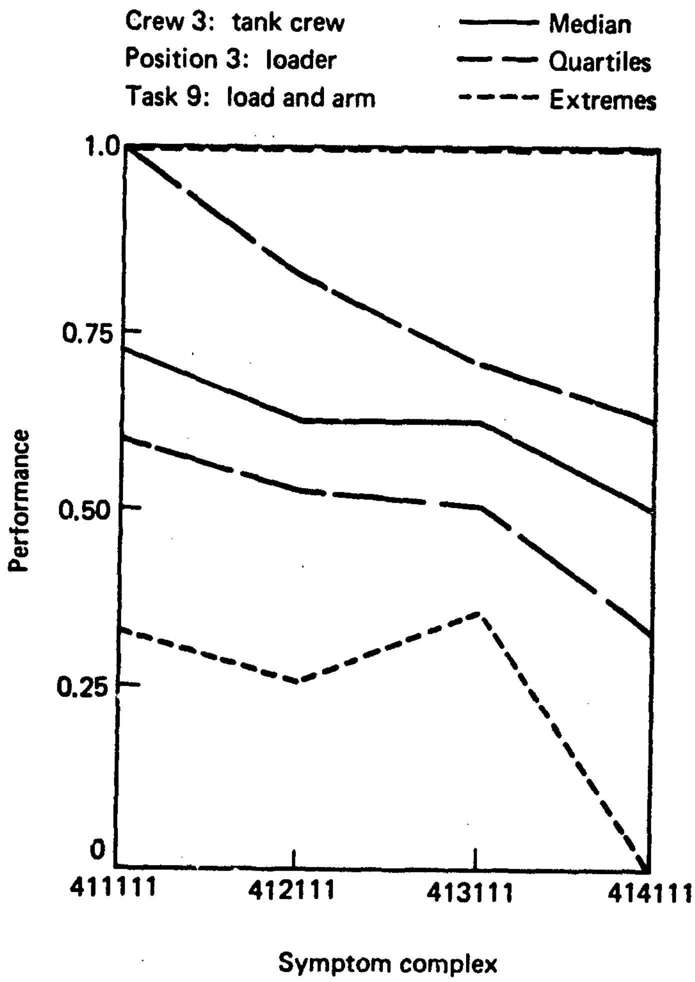



Figure 15. Example of single symptom description.

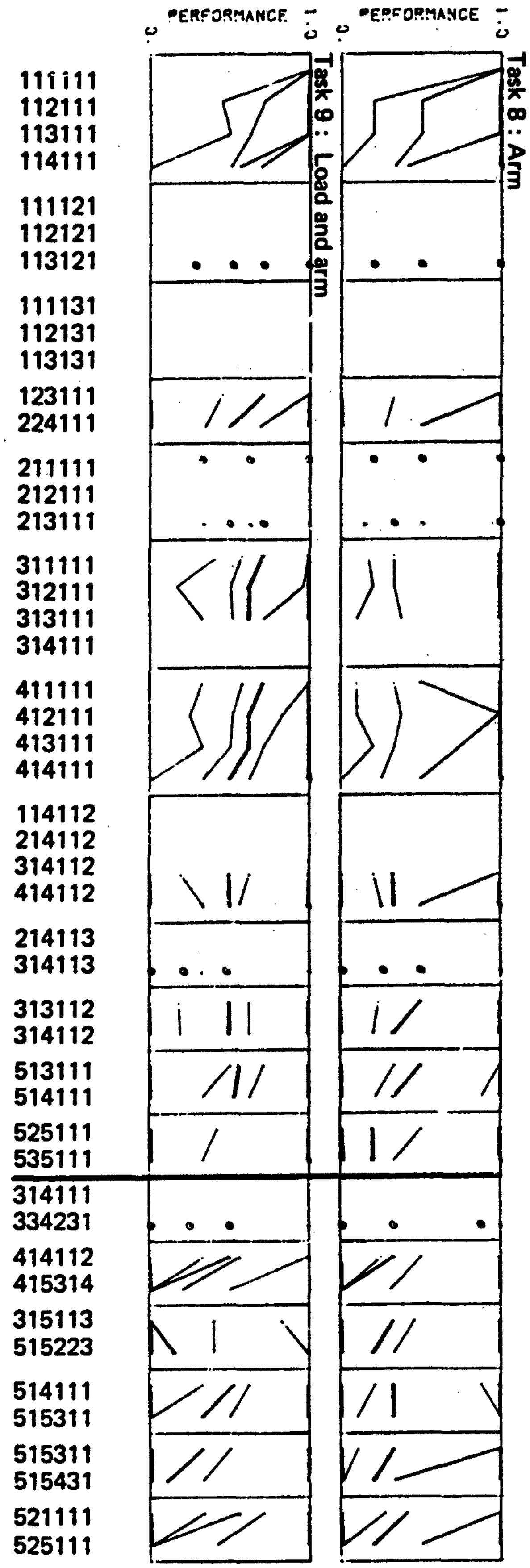



Figure 16. Example of a series of single symptom plots for all tasks in one crew position.

Table 4. Widest interquartile ranges.

| Symptom Complex | Crew | Task | Median $t_0/t$ | Interquartile Range |
|---|---|---|---|---|
| 111131 | 4 | 3 | 0.40 | 0.87 |
| 113111 | 1 | 6 | 0.50 | 0.78 |
| 114111 | 3 | 1 | 0.42 | 0.80 |
| | | 5 | 0.42 | 0.75 |
| 114112 | 4 | 5 | 0.57 | 0.80 |
| 123111 | 1 | 7 | 0.50 | 0.73 |
| | | 11 | 0.60 | 0.70 |
| 211111 | 1 | 6 | 0.40 | 0.80 |
| | | 9 | 0.75 | 0.70 |
| 213111 | 3 | 1 | 0.50 | 0.73 |
| | | 5 | 0.50 | 0.73 |
| 214113 | 4 | 5 | 0.50 | 0.80 |
| 224111 | 1 | 7 | 0.60 | 0.75 |
| | 3 | 1 | 0.33 | 0.77 |
| | | 3 | 0.46 | 0.73 |
| | | 5 | 0.33 | 0.84 |
| | | 8 | 0.50 | 0.73 |
| 311111 | 3 | 5 | 0.50 | 0.75 |
| 312111 | 3 | 1 | 0.33 | 0.75 |
| | 4 | 3 | 0.40 | 0.80 |
| 313111 | 2 | 8 | 0.60 | 0.70 |
| | 4 | 3 | 0.40 | 0.80 |
| 313112 | 3 | 8 | 0.50 | 0.77 |
| 314112 | 3 | 8 | 0.33 | 0.80 |
| 314113 | 1 | 2 | 0.48 | 0.72 |
| | | 4 | 0.48 | 0.70 |
| | 3 | 6 | 0.52 | 0.72 |
| | | 7 | 0.48 | 0.74 |
| | | 10 | 0.45 | 0.77 |
| 334231 | 1 | 2 | 0.47 | 0.70 |
| | | 4 | 0.47 | 0.70 |
| | 3 | 6 | 0.52 | 0.75 |
| | | 7 | 0.46 | 0.70 |
| | | 8 | 0.33 | 0.88 |
| 411111 | 4 | 4 | 0.40 | 0.80 |
| 412111 | 1 | 1 | 0.55 | 0.70 |
| | | 10 | 0.75 | 0.70 |
| 414111 | 1 | 7 | 0.60 | 0.81 |
| | 3 | 1 | 0.33 | 0.80 |
| | | 5 | 0.33 | 0.80 |
| | | 8 | 0.50 | 0.75 |
| 414112 | 4 | 3 | 0.50 | 0.72 |
| 513111 | 1 | 7 | 0.60 | 0.83 |
| | | 10 | 0.50 | 0.77 |
| | 3 | 1 | 0.33 | 0.82 |
| | | 5 | 0.33 | 0.80 |
| 514111 | 1 | 7 | 0.38 | 0.77 |
| 515311 | 3 | 8 | 0.33 | 0.90 |
| 521111 | 1 | 7 | 0.75 | 0.71 |
| | | 8 | 0.45 | 0.27 |
| | | 10 | 0.75 | 0.70 |
| | 3 | 5 | 0.33 | 0.80 |
| | | 8 | 0.42 | 0.73 |
| | 4 | 3 | 0.40 | 0.87 |
| 515223 | 2 | 3 | 0.60 | 0.85 |
| 525111 | 1 | 2 | 0.48 | 0.70 |
| | | 3 | 0.47 | 0.70 |
| | | 4 | 0.52 | 0.72 |
| | 3 | 6 | 0.40 | 0.83 |
| | | 7 | 0.31 | 0.70 |
| | 4 | 5 | 0.51 | 0.80 |
| 535111 | 3 | 6 | 0.40 | 0.73 |

## SECTION 3

## PERFORMANCE REGRESSION ANALYSIS

This section describes the procedure used to develop linear least squares regression models based upon the army questionnaire data discussed in Sec. 2. The models provide the means to (1) fit smooth curves to the original data, (2) generate consistent predictions of performance, (3) interpolate and extrapolate performance for symptom complexes other than those from the questionnaire data, and (4) assess the relative importance of each of the specific symptoms in the complexes.

Since the original data consist of estimates of time required to complete a task, a consistent method of converting those estimates to relative performance values is needed. Additionally, a procedure had to be developed that combines data for several different tasks into a single set of estimates for a given crew position. The regression analysis used here fits selected models to the data. It provides relationships for estimating performance and the associated variances in fitting the data. The performance values that we calculate with the models can then be applied to a dose/time mapping framework (Sec. 4) to yield predictions of overall performance as a function of dose and time.

As discussed in Sec. 2, army personnel were asked to answer questions regarding the length of time it would take crewmembers to perform normal combat tasks if experiencing specific physiological symptoms. Each given combination of those symptoms is referred to as a symptom complex. Questionnaires presented to members of artillery gun crews, artillery FDC crews, and tank crews contained 30 different symptom complex descriptions; the mounted TOW crew questionnaire contained ten additional symptom complex descriptions. Table 5 gives summary information on the structure of the questionnaire data used in the regression analysis. A more detailed summary of task descriptions, reference performance times, and numbering is provided in Table 2.

Regression analysis of the performance data was done with the SAS [Ray et al., 1982] and STATLIB [Brelsford and Relles, 1981] software

Table 5. Combat crew summary for regression analysis.

| Combat Crew[a] | Number of Respon-dents | Number of Symptom Complexes | Crew Position[a] | Tasks[b] |
|---|---|---|---|---|
| 1--Artillery, gun | 25 | 30 | 1--Chief of section | 1 |
| | | | 2--Gunner | 2, 3 |
| | | | 3--Assistant gunner | 4, 5 |
| | | | 4--Loader | 6, 7, 8, 9, 10, 11 |
| 2--Artillery, fire direction center | 21 | 30 | 1--Fire direction officer | 1, 2, 3 |
| | | | 2--Horizontal control operator | 4, 5, 6 |
| | | | 3--Computer | 7, 8 |
| 3--Armor, tank | 34 | 30 | 1--Tank commander | 1, 2, 3, 4 |
| | | | 2--Gunner | 5, 6, 7 |
| | | | 3--Loader | 8, 9 |
| | | | 4--Driver | 10 |
| 4--Antiarmor, mounted TOW | 36 | 40 | 1--Squad leader | 1, 2 |
| | | | 2--Gunner | 3, 4 |
| | | | 3--Driver | 5 |
| | | | 4--Loader | 6, 7 |

[a]Numbers refer to indices used in computer codes.

[b]See Table 8 for task descriptions.

systems. Those software systems provide comprehensive diagnostic options that guide selection of the model appropriate for the questionnaire data. A discussion detailing the regression analysis procedure is given in Appendix F.

## INPUT DATA

Since the fundamental response variable obtained from the questionnaires was the estimated time t required to complete a task against a stated reference time $t_0$, the basic index chosen as a measure of performance was the ratio of the reference time to the estimated time $(t_0/t)$ to perform a particular task when experiencing acute radiation symptoms. If we make the following index assignments, ignoring any particular

combat crew: i for respondent, j for task, and k for symptom complex, then $t_{ijk}$, given in Appendix A, represents the performance time estimate provided by the *ith* respondent for the *jth* task, given the *kth* symptom complex; $t_{0j}$ (given in Table 2) is the reference time for performing the *jth* task. Recalling from the response options provided in the questionnaire (discussed in Sec. 2 above), values for task performance are assigned based on the assumptions shown in Table 6.

Table 6. Performance index.

| Questionnaire Response | $t_{0j}/t_{ijk}$ |
|---|---|
| Could not do it at all (assumes $t_{ijk} = \infty$) | 0 |
| Increase in time (i.e., $t_{0j} < t_{ijk} < \infty$) | $0 < (t_{0j}/t_{ijk}) < 1$ |
| No increase in time (assumes $t_{ijk} = t_{0j}$) | 1 |

In performing the regression analysis for tasks, values of the performance measure specified f the dependent variable include averaging over respondents. Averaging the data guarantees that the performance dependent variables for the task *and* positions lie between zero and one, but are not equal to either one or zero, shown in Appendix E. That condition makes it possible to apply the logit transformation for the dependent variable in modeling the data for the regression analysis. The logit model, which is a logarithmic transformation of the dependent variable, is attractive for application to the fractional type of data we have, since the relationships guarantee that all predicted performance values lie within the interval (0, 1).

For the *jth* task, the performance measure is the average over N respondents for a particular crew, i.e.,

$$\bar{P}_{jk} = \frac{1}{N} \sum_{i=1}^{N} \left( \frac{t_{0j}}{t_{ijk}} \right) , \tag{1}$$

where, based on the assumptions above, $0 < (t_{0j}/t_{ijk}) < 1$. Values of $\bar{P}_{jk}$ are given in Appendix E, where $0 < \bar{P}_{jk} < 1$.

For a given crew position, where a crewmember may perform more than a single task (see Table 5), the measure of performance is assumed to be the ratio of the sum of reference task performance times to the sum of average estimated times to perform the tasks when experiencing acute radiation symptoms, or

$$\bar{P}_k = \frac{\sum_{j=1}^{J} t_{0j}}{\sum_{j=1}^{J} \bar{t}_{jk}} , \qquad 0 < \bar{P}_k < 1 , \tag{2}$$

where the estimated time to perform the task (with symptoms) is

$$\bar{t}_{jk} = \left( \frac{t_{0j}}{\bar{P}_{jk}} \right) , \qquad 1 < \bar{t}_{jk} < \infty . \tag{3}$$

The $\bar{P}_k$ values, given in Appendix E, are input for analyzing the relationships that predict individual performance for each crewmember position.

## LINEAR REGRESSION MODELING

We limited regression analysis to linear models, assuming that performance can be expressed as some function of a linear combination of the factor (explanatory) variables, i.e., symptom severity levels. The six basic symptom complex variables are designated as follows:

$x_1$ = Upper gastrointestinal distress (UG),
$x_2$ = Lower gastrointestinal distress (LG),
$x_3$ = Fatigability and weakness (FW),
$x_4$ = Hypotension (HY),
$x_5$ = Infection, bleeding, and fever (IB),
$x_6$ = Fluid loss and electrolyte imbalance (FL),

where each x-variable takes on integer values (corresponding to severity level) from 1 to 5. The implicit assumption is made that, given one of the six symptom categories above, severity can be represented in integer multiples. Whether or not that assumption is precisely true was not determined with the linear regression models employed here. It would require complex generalized nonlinear regression analysis, which is beyond the scope of the present effort. Moreover, limitation on the number of symptom complexes allowed in the questionnaires and the selection guidelines followed, based on dose and time considerations, evolved a data set that probably lacks the quantity and type of information required for such an analysis.

Considering only 30 to 40 complexes and possibly a large number of independent parameters p, would place a severe limitation on the number of degrees of freedom available (30 to 40 minus p). More balance in the data is also required, and entails expanding the variety of severity levels across symptom complexes. The symptom complexes selected for the combat crew questionnaires and the data that the present analysis is based on, favors the UG, LG, and FW symptom categories where severity level integers that are greater than one appear more frequently than HY, IB, and to a lesser extent, FL.

In addition to the data limitations and additional complexity required, we did not employ nonlinear regression modeling because we judged that the data could be reasonably represented by a linear model. That model may be expressed as follows.

If performance measure is designated by $P_k$, which corresponds to the *kth* symptom complex, e.g., for either crewmember position $\overline{P}_k$ or task $\overline{P}_{jk}$, the linear regression model can be expressed as

$$P_k = \underset{\sim}{x}_k'\beta + \varepsilon_k , \qquad 1 \leq k \leq K , \tag{4}$$

where $\underset{\sim}{x}_k' = (1, x_{k1}, x_{k2}, \ldots, x_{k6})$ is a vector of integers $(1 \leq x_{k\ell} \leq 5)$ denoting symptom severity level for the $k$*th* symptom complex and $\ell$*th* symptom category. The weight $\beta' = (\beta_0, \beta_1, \ldots, \beta_6)$ is a vector of regression coefficients $\beta_\ell$ that are estimated. Both $\underset{\sim}{x}_k'$ and $\beta'$ (transpose of $\beta$) each contain seven ($p = 7$) components corresponding to the six symptom categories discussed above plus the intercept. If additional parameters are to be estimated such as may be required for quadratic models that include squared $(x_{k\ell}^2)$ and cross-product $(x_{km}x_{kn})$ terms, then the vector lengths may be larger than seven.

Linear quadratic model forms were applied to the data to investigate how well a prediction relationship, including squared and cross-product terms, could represent the data. Based on that analysis (discussed in Appendix F, "Transforming Factor Variables"), we concluded that a quadratic form cannot be developed to model the data for predicting individual performance. The main problem uncovered from the regression diagnostics was multicollinearity (i.e., linear combinations formed by the independent variables). Certain quadratic and cross-product terms form linear combinations with the original six symptom categories, resulting in a noninvertible $(X'X)$ matrix. That difficulty arises primarily from the lack of balance in the data set mentioned above.

In linear regression modeling, a usual assumption is that the error terms $\varepsilon_k = P_k - \underset{\sim}{x}_k'\beta$ (actual values minus conditional mean values) are independent, have a common variance, and are normally distributed with a mean equal to zero, i.e., var $(\varepsilon_k) = \sigma^2$. The present regression analysis generally indicated the residuals to be normally distributed.

Writing the linear regression model in matrix notation, we have

$$Y = X\beta + \varepsilon , \tag{5}$$

where

$$X = \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_k \end{bmatrix} = \begin{bmatrix} 1, & x_{11}, & x_{12}, & \cdots & x_{16} \\ 1, & x_{21}, & x_{22}, & \cdots & x_{26} \\ \vdots & \vdots & \vdots & & \vdots \\ 1, & x_{k1}, & x_{k2}, & \cdots & x_{k6} \end{bmatrix} ,$$

$$Y = \begin{bmatrix} P_1 \\ P_2 \\ \vdots \\ P_k \end{bmatrix} , \quad \beta = \begin{bmatrix} \beta_0 \\ \beta_1 \\ \vdots \\ \beta_6 \end{bmatrix} , \quad \varepsilon = \begin{bmatrix} \varepsilon_1 \\ \varepsilon_2 \\ \vdots \\ \varepsilon_k \end{bmatrix} .$$

The β-parameter estimates are given by

$$\hat{\beta} = (X'X)^{-1}X'Y , \tag{6}$$

and the covariance of β is given by

$$\text{cov } \hat{\beta} = \hat{\sigma}^2(X'X)^{-1} , \tag{7}$$

where the estimate of the variance of the errors (or mean square error of residuals) for p parameters is

$$\hat{\sigma}^2 = \frac{(Y - X\hat{\beta})'(Y - X\hat{\beta})}{K - p} \tag{8}$$

CONFIDENCE BOUNDS

Two types of confidence bounds can be constructed about the regression line for predicted performance values (Appendix F, "General Linear Model"). One is based on the variance $\hat{\sigma}_m^2$ of the expected value of performance for any given symptom complex $\underset{\sim}{x}_k$, which reflects the uncertainty in the β-parameter estimates; $\hat{\sigma}_m^2$ is often referred to as the variance of the predicted value of the conditional *mean*. Another is based on the

variance $\hat{\sigma}_0^2$ of the input performance data relative to the expected values of performance, i.e., relative to the regression line. Often, $\hat{\sigma}_0^2$ is referred to as the variance of the predicted value of a further *observed* value, i.e., additional performance input data.

Upper and lower 95 percent confidence bounds for the expected performance values predicted by the regression relationships are given as

$$L_{95,m} = \underset{\sim}{x}_k'\hat{\beta} \pm 2.08\hat{\sigma}_m \ , \tag{9}$$

where 2.08 is the 95 percent cutoff of the t-distribution for a sample size of 30 or 40 (i.e., the number of symptom complexes used in the analysis). The quantities $\underset{\sim}{x}_k'$ and $\underset{\sim}{x}_k$ are row and column vectors, respectively, each containing unity for the first element followed by six integer values $(x_1, x_2, \ldots, x_6)$ designating symptom severity levels for a k*th* symptom complex.

The prediction of a further observation for a given symptom complex $\underset{\sim}{x}_k'$ would also have a value of $\underset{\sim}{x}_k'\hat{\beta}$. However, the variance is

$$\hat{\sigma}_0^2 = \hat{\sigma}_m^2 + \hat{\sigma}^2 \tag{10}$$

$$= \hat{\sigma}^2[1 + \underset{\sim}{x}_k'(X'X)^{-1}\underset{\sim}{x}_k] \ .$$

Upper and lower 95 percent confidence bounds for a further observed value are

$$L_{95,0} = \underset{\sim}{x}_k'\hat{\beta} \pm 2.08\hat{\sigma}_0^2 \ . \tag{11}$$

The $L_{95,0}$ confidence bounds will be wider than the $L_{95,m}$ confidence bounds and should contain about 95 percent of the observed values (input data) whereas a smaller percentage of the observed values will be included within the $L_{95,m}$ bounds.

CORRELATION OF RESPONSES

Estimates of the effects of correlation between responses from the questionnaire data were made using STATLIB [Brelsford and Relles, 1981]. Analysis of the data (discussed in Appendix F, "Correlation among Model Error Terms") showed significant positive correlation with estimated correlation coefficients ranging from $\rho = 0.2$ to 0.4. The correlation coefficient $\rho$ is a measure of individual response bias of the respondents. So, for example, with 35 individuals, each providing judgments of performance on a common set of 30 different symptom complex descriptions, some will offer consistently low values, some consistently high values, and others somewhere in between. On the other hand, purely independent responses would result in a zero correlation ($\rho = 0$).

It can be shown theoretically that least squares linear regression yields $\beta$-parameter estimates ($\hat{\beta}$) that are unbiased. Therefore, ordinary least squares regression analysis is suitable for estimating $\beta$. However, when $\rho \neq 0$, estimates of the variance $\sigma^2$ are biased downward (see Appendix F, "Correlation among Model Error Terms"). Because of the strong assumption of normality for the joint distribution of 30 error terms (i.e., jointly correlated with one another) required by STATLIB, it was not possible to precisely determine the extent of the downward bias with the *generalized* least squares regression model package. That package was not designed to give robust estimates of $\sigma$ for the expanded data set (i.e., when not averaged over individual respondents) from the questionnaires. Furthermore, we are unaware of any existing package designed to develop reliable estimates of $\sigma$ for the kind of data set developed from the questionnaires. However, from theoretical considerations an inflation factor can be developed to estimate an adjustment from the upper and lower confidence limits. Since it can be shown that $\sigma$, as determined by ordinary least squares regression (which assumes $\rho \neq 0$), has a downward bias by a factor of $\sqrt{1 - \rho}$, multiplication of $\hat{\sigma}$ by $1/\sqrt{1 - \rho}$ corrects the bias when $\rho \neq 0$. Since we estimated values ranging from $\rho = 0.2$ to 0.4, a factor of from 1.12 to 1.29 can be used to increase the upper and lower confidence limits,

$$L_{95,m}(\text{adjusted}) = \underset{\sim}{x}_k'\hat{\beta} \pm \left(\frac{1}{\sqrt{1-\rho}}\right) 2.08\hat{\sigma}_m \;,$$

$$L_{95,0}(\text{adjusted}) = \underset{\sim}{x}_k'\hat{\beta} \pm \left(\frac{1}{\sqrt{1-\rho}}\right) 2.08\hat{\sigma}_0 \;. \tag{12}$$

The magnitude of such an adjustment is not large; it extends the upper and lower bounds by about 12 to 30 percent.

INDIVIDUAL PERFORMANCE PREDICTIONS

Predictions of individual performance were made using the logit form of the linear regression model. Preliminary analyses were performed on the data using two alternative forms of the linear regression model, and with seven first power terms (intercept plus six symptom categories) for the independent variables ($\underset{\sim}{x}_k'$). The analyses indicated no significant difference between the two forms in fitting the data, one where the logit transformation, $\ell n\,[P/(1 - P)]$ is made on the dependent variable (performance), and the other where it is not made. However, predictions of performance using the logit form guarantee that all predicted performance values including the upper and lower confidence limits lie within the interval (0, 1), which is consistent with the input data set. Predictions using the form where the dependent variable is not transformed can yield values outside that interval. Accordingly, the logit form was applied to the data for the regression analysis.

Making the logit transformation of the dependent variable $P_k$ (performance response) gives the form

$$\ell n \frac{P_k}{1 - P_k} = \underset{\sim}{x}_k'\beta + \varepsilon_k \;, \qquad 1 \le k \le K \;, \tag{13}$$

where $\ell n\,[P_k/(1 - P_k)]$ was regressed on the $\underset{\sim}{x}_k'$ variables to obtain estimates $\hat{\beta}$ of the $\beta$-parameters. Using the data given in Appendix E, regression parameters were obtained for crewmember positions given in Tables 7 through 10 for the gun, FDC, tank, and TOW crews, respectively. The

Table 7. Gun crew regression parameters.

| SYMPTOM | CHIEF OF SECTION BETA PARAMETER | CHIEF OF SECTION STANDARD ERROR | CHIEF OF SECTION STUDENT T | GUNNER BETA PARAMETER | GUNNER STANDARD ERROR | GUNNER STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 2.808356 | 0.257279 | 10.916 | 3.292434 | 0.216134 | 15.233 |
| UPPER GASTRO | -0.225827 | 0.049776 | -4.537 | -0.146315 | 0.041816 | -3.499 |
| LOWER GASTRO | -0.365274 | 0.125597 | -2.908 | -0.361714 | 0.105511 | -3.428 |
| FATIGUE/WEAK | -0.181312 | 0.062324 | -2.909 | -0.244966 | 0.052357 | -4.679 |
| HYPOTENSION | -0.066167 | 0.129619 | -0.510 | -0.173207 | 0.108890 | -1.591 |
| INFECT/BLEED | -0.352418 | 0.158464 | -2.224 | -0.179993 | 0.133122 | -1.352 |
| FLUID LOSS | -0.434346 | 0.092686 | -4.686 | -0.439715 | 0.077863 | -5.647 |

| | CHIEF OF SECTION | GUNNER |
|---|---|---|
| R SQUARED | 0.8715 | 0.9080 |
| RMS ERROR | 0.339175 | 0.284933 |
| DGF | 23 | 23 |

| SYMPTOM | ASSISTANT GUNNER BETA PARAMETER | ASSISTANT GUNNER STANDARD ERROR | ASSISTANT GUNNER STUDENT T | LOADER BETA PARAMETER | LOADER STANDARD ERROR | LOADER STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 3.113833 | 0.190724 | 16.326 | 2.518392 | 0.147253 | 17.103 |
| UPPER GASTRO | -0.134983 | 0.036900 | -3.658 | -0.146718 | 0.028469 | -5.150 |
| LOWER GASTRO | -0.366702 | 0.093107 | -3.939 | -0.293360 | 0.071885 | -4.081 |
| FATIGUE/WEAK | -0.256687 | 0.046202 | -5.556 | -0.300109 | 0.035671 | -8.413 |
| HYPOTENSION | -0.130065 | 0.096088 | -1.354 | -0.195549 | 0.074187 | -2.636 |
| INFECT/BLEED | -0.215799 | 0.117471 | -1.837 | -0.235970 | 0.090697 | -2.602 |
| FLUID LOSS | -0.435395 | 0.068709 | -6.337 | -0.439886 | 0.053049 | -8.292 |

| | ASSISTANT GUNNER | LOADER |
|---|---|---|
| R SQUARED | 0.9254 | 0.9623 |
| RMS ERROR | 0.251434 | 0.194126 |
| DGF | 23 | 23 |

Table 8. FDC crew regression parameters.

| SYMPTOM | FIRE DIRECTION OFFICER BETA PARAMETER | STANDARD ERROR | STUDENT T | HORIZONTAL CONTROL OPERATOR BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 3.442455 | 0.346776 | 9.927 | 2.461669 | 0.191858 | 12.831 |
| UPPER GASTRO | -0.229368 | 0.067091 | -3.419 | -0.189613 | 0.037119 | -5.108 |
| LOWER GASTRO | -0.524898 | 0.169288 | -3.101 | -0.344844 | 0.093660 | -3.682 |
| FATIGUE/WEAK | -0.069726 | 0.084004 | -0.830 | -0.097654 | 0.046476 | -2.101 |
| HYPOTENSION | -0.168636 | 0.174709 | -0.965 | -0.134423 | 0.096659 | -1.391 |
| INFECT/BLEED | -0.240984 | 0.213588 | -1.128 | -0.097338 | 0.118170 | -0.824 |
| FLUID LOSS | -0.484706 | 0.124928 | -3.880 | -0.320908 | 0.069118 | -4.643 |
| | R SQUARED = 0.7757 | | | R SQUARED = 0.8697 | | |
| | RMS ERROR = 0.457161 | | | RMS ERROR = 0.252929 | | |
| | DGF = 23 | | | DGF = 23 | | |

| SYMPTOM | COMPUTER BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.875132 | 0.189877 | 15.142 |
| UPPER GASTRO | -0.162319 | 0.036736 | -4.419 |
| LOWER GASTRO | -0.422774 | 0.092693 | -4.561 |
| FATIGUE/WEAK | -0.073737 | 0.045997 | -1.603 |
| HYPOTENSION | -0.214650 | 0.095662 | -2.244 |
| INFECT/BLEED | -0.052900 | 0.116950 | -0.452 |
| FLUID LOSS | -0.352097 | 0.068404 | -5.147 |
| | R SQUARED = 0.8757 | | |
| | RMS ERROR = 0.250318 | | |
| | DGF = 23 | | |

Table 9. Tank crew regression parameters.

| SYMPTOM | TANK COMMANDER BETA PARAMETER | TANK COMMANDER STANDARD ERROR | TANK COMMANDER STUDENT T | GUNNER BETA PARAMETER | GUNNER STANDARD ERROR | GUNNER STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 3.739408 | 0.252659 | 14.800 | 4.150500 | 0.240619 | 17.249 |
| UPPER GASTRO | -0.304504 | 0.048882 | -6.229 | -0.307994 | 0.046553 | -6.616 |
| LOWER GASTRO | -0.499096 | 0.123342 | -4.046 | -0.583071 | 0.117464 | -4.964 |
| FATIGUE/WEAK | -0.237838 | 0.061205 | -3.886 | -0.183404 | 0.058288 | -3.146 |
| HYPOTENSION | -0.179232 | 0.127292 | -1.408 | -0.212194 | 0.121226 | -1.750 |
| INFECT/BLEED | -0.043841 | 0.155619 | -0.282 | 0.032174 | 0.148203 | 0.217 |
| FLUID LOSS | -0.476924 | 0.091022 | -5.240 | -0.544823 | 0.086684 | -6.285 |
| | R SQUARED = 0.9110 | | | R SQUARED = 0.9185 | | |
| | RMS ERROR = 0.333085 | | | RMS ERROR = 0.317212 | | |
| | DGF = 23 | | | DGF = 23 | | |

| SYMPTOM | LOADER BETA PARAMETER | LOADER STANDARD ERROR | LOADER STUDENT T | DRIVER BETA PARAMETER | DRIVER STANDARD ERROR | DRIVER STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 3.353334 | 0.210557 | 15.926 | 3.815458 | 0.226685 | 16.832 |
| UPPER GASTRO | -0.225547 | 0.040737 | -5.537 | -0.210782 | 0.043857 | -4.806 |
| LOWER GASTRO | -0.448839 | 0.102789 | -4.367 | -0.506874 | 0.110662 | -4.580 |
| FATIGUE/WEAK | -0.300574 | 0.051006 | -5.893 | -0.309476 | 0.054913 | -5.636 |
| HYPOTENSION | -0.181349 | 0.106080 | -1.710 | -0.184998 | 0.114206 | -1.620 |
| INFECT/BLEED | 0.006172 | 0.129687 | -0.048 | -0.012318 | 0.139621 | -0.088 |
| FLUID LOSS | -0.520462 | 0.075854 | -6.861 | -0.439561 | 0.081664 | -5.383 |
| | R SQUARED = 0.9367 | | | R SQUARED = 0.9229 | | |
| | RMS ERROR = 0.277580 | | | RMS ERROR = 0.298843 | | |
| | DGF = 23 | | | DGF = 23 | | |

Table 10. TOW crew regression parameters.

| SYMPTOM | SQUAD LEADER BETA PARAMETER | SQUAD LEADER STANDARD ERROR | SQUAD LEADER STUDENT T | GUNNER BETA PARAMETER | GUNNER STANDARD ERROR | GUNNER STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 3.861355 | 0.277212 | 13.929 | 3.568425 | 0.276925 | 12.886 |
| UPPER GASTRO | -0.229213 | 0.053150 | -4.313 | -0.242815 | 0.053095 | -4.573 |
| LOWER GASTRO | -0.268881 | 0.136572 | -1.969 | -0.233592 | 0.136431 | -1.712 |
| FATIGUE/WEAK | -0.368688 | 0.064496 | -5.716 | -0.377513 | 0.064430 | -5.859 |
| HYPOTENSION | 0.051657 | 0.132217 | 0.391 | 0.001518 | 0.132081 | 0.011 |
| INFECT/BLEED | -0.396030 | 0.111644 | -3.547 | -0.400014 | 0.111528 | -3.587 |
| FLUID LOSS | -0.507480 | 0.098002 | -5.178 | -0.482964 | 0.097901 | -4.933 |
| | R SQUARED = 0.8659 | | | R SQUARED = 0.8721 | | |
| | RMS ERROR = 0.391040 | | | RMS ERROR = 0.390636 | | |
| | DGF = 33 | | | DGF = 33 | | |

| SYMPTOM | DRIVER BETA PARAMETER | DRIVER STANDARD ERROR | DRIVER STUDENT T | LOADER BETA PARAMETER | LOADER STANDARD ERROR | LOADER STUDENT T |
|---|---|---|---|---|---|---|
| INTERCEPT | 5.122940 | 0.324222 | 15.801 | 4.261434 | 0.292214 | 14.583 |
| UPPER GASTRO | -0.244408 | 0.062164 | -3.932 | -0.251266 | 0.056027 | -4.485 |
| LOWER GASTRO | -0.299380 | 0.159732 | -1.874 | -0.265417 | 0.143963 | -1.844 |
| FATIGUE/WEAK | -0.486197 | 0.075434 | -6.445 | -0.523345 | 0.067987 | -7.698 |
| HYPOTENSION | 0.127268 | 0.154639 | 0.823 | 0.057344 | 0.139373 | 0.411 |
| INFECT/BLEED | -0.508780 | 0.130577 | -3.896 | -0.390862 | 0.117686 | -3.321 |
| FLUID LOSS | -0.612157 | 0.114622 | -5.341 | -0.622272 | 0.103306 | -6.024 |
| | R SQUARED = 0.8723 | | | R SQUARED = 0.9048 | | |
| | RMS ERROR = 0.457354 | | | RMS ERROR = 0.412203 | | |
| | DGF = 33 | | | DGF = 33 | | |

standard error of the β's listed in the tables is the square root of the diagonals of the variance-covariance matrix of β

$$\sqrt{(\mathrm{cov}\ \hat{\beta})_{ii}} = \hat{\sigma}\sqrt{(X'X)^{-1}_{ii}} \ . \tag{14}$$

Also given in those tables, for each crew type and symptom category, is a Student's t-statistic. That statistic is the ratio of the estimated β-parameter to the standard error. The Student's t values are a measure of each symptom category's importance. For the data analyzed with 23 to 33 degrees of freedom, values of $|t|$ less than about two indicate that the symptom category becomes nonsignificant. The regression analysis indicates that all crews considered both the FL and UG symptom categories as important (i.e., where $|t| \geq 2$), with FL the most important. The HY and IB categories were considered the least important compared with the others. Table 11 is a summary by crew position of the symptom categories judged to be the least significant (i.e., where $|t| \leq 2$).

The $R^2$ values are a global measure of goodness of fit of the data given by

$$R^2 = 1 - \frac{\sum_{k=1}^{K} (P_k - \hat{P}_k)^2}{\sum_{k=1}^{K} (P_k - \overline{P})^2} \ , \tag{15}$$

where $P_k$ and $\overline{P}$ are performance input and average performance input data, respectively, and $\hat{P}_k$ are predicted values. The $R^2$ values are all quite large, indicating a good fit of the regression model with the data. The RMS error is the square root of the estimated variance of the residuals, indicated in the text above as $\hat{\sigma}$.

The regression diagnostics do not indicate any significant problem with collinearity (a linear combination formed by two independent variables). The seven eigenvalues of the normalized (X'X) matrix are listed

Table 11. Least significant symptom categories.

| Crew | Crew Position | Symptom Category LG | FW | HY | IB |
|---|---|---|---|---|---|
| Gun | Chief of section | | | x | |
| | Gunner | | | ✓ | ✓ |
| | Assistant gunner | | | ✓ | ✓ |
| | Loader | | | | |
| FDC | Fire direction officer | | x | x | ✓ |
| | Horizontal control operator | | | ✓ | x |
| | Computer | | ✓ | | x |
| Tank | Tank commander | | | ✓ | x |
| | Gunner | | | ✓ | x |
| | Loader | | | ✓ | x |
| | Driver | | | ✓ | x |
| TOW | Squad leader | ✓ | | x | |
| | Gunner | ✓ | | x | |
| | Driver | ✓ | | x | |
| | Loader | ✓ | | x | |

NOTE: x = Student's $|t| < 1$,
✓ = $1 \leq$ Student's $|t| < 2$.

in Table 12 with the *condition index*, which is obtained by dividing the square root of the top eigenvalue $\sqrt{6.203}$ by the square root of the others (including itself). All values of the condition index are much less than about 30, which indicates no significant collinearity relationship.

Applying the inverse transformation to the logit regression relationship yields the formula for predicting expected values of performance $\hat{P}_k$ for the *kth* symptom complex given by

$$\hat{P}_k = \frac{1}{1 + \exp\,(-\underset{\sim}{x}_k'\hat{\beta})} \ . \qquad (16)$$

Table 12. Eigenvalue condition indexes.

| Eigenvalue ($V_i$) | Condition Index $\left(\sqrt{V_1/V_i}\right)$ |
|---|---|
| 6.203 | 1.0 |
| 0.282040 | 4.690 |
| 0.215428 | 5.366 |
| 0.134011 | 6.803 |
| 0.073825 | 9.166 |
| 0.051828 | 10.940 |
| 0.039971 | 12.457 |

The upper and lower 95 percent confidence bounds for the predicted expected values of performance are given by

$$UL_{95,m} = \frac{1}{\{1 + \exp[-(\underset{\sim}{x}_k'\hat{\beta} + 2.08\hat{\sigma}_m)]\}} , \qquad (17)$$

and

$$LL_{95,m} = \frac{1}{\{1 + \exp[-(\underset{\sim}{x}_k'\hat{\beta} - 2.08\hat{\sigma}_m)]\}} . \qquad (18)$$

The upper and lower 95 percent confidence bounds for further predicted observed values of performance are given by

$$UL_{95,0} = \frac{1}{\{1 + \exp[-(\underset{\sim}{x}_k'\hat{\beta} + 2.08\hat{\sigma}_0)]\}} , \qquad (19)$$

and

$$LL_{95,0} = \frac{1}{\{1 + \exp[-(\underset{\sim}{x}_k'\hat{\beta} - 2.08\hat{\sigma}_0)]\}} . \qquad (20)$$

Tables 13 through 27 list the predicted expected and actual (observed) data performance values for crewmember positions, the upper and lower 95 percent confidence bounds $UL_{95,m}$ and $LL_{95,m}$, for each of 30 symptom complexes ($\underset{\sim}{x}'_k$) for the artillery (gun and FDC) and tank crews; and each of 40 symptom complexes for the TOW crew. The listing order in the tables is arranged from highest to lowest value of performance predicted by the regression formula. The values of $(1 - P_k)$ termed performance degradation are also listed.

Figures 17 through 31 are plots of the crewmember performance data given in Tables 13 through 27. Performance $P_k$ is plotted against $(1 - P_k)$, which yields the straight line shown. For purposes of illustration, values of performance predicted by the regression relationship lie along the straight line at coordinates $[(1 - \hat{P}_k), \hat{P}_k]$ for each *kth* symptom complex. The actual data values are given by the asterisks, which have coordinates $[(1 - \hat{P}_k), P_k]$. The unevenly spaced tick marks along the top edge of the abscissa correspond to each of the ordered symptom complexes listed in Tables 13 through 27. The two sets of error bars each designate upper and lower 95 percent confidence bounds for the prediction of performance along the regression line. The solid line bars are for the expected mean performance values that correspond to the $UL_{95,m}$ and $LL_{95,m}$ bounds. The wider dotted line bars are for further data observations that correspond to the $UL_{95,0}$ and $LL_{95,0}$ bounds. The plots indicate a substantial portion of the data included even within the narrower predicted mean value confidence bounds. A much larger portion of the data is included within the wider 95 percent confidence bounds as would be expected for further observed values of performance (i.e., additional data). Expanding the confidence limits by 12 to 30 percent by multiplying them by the inflation factor $1/\sqrt{1 - \rho}$ to account for correlated response data, where estimates are $\rho = 0.2$ to $0.4$, would include essentially all of the data. However, the extent to which variation in response data about the regression line can be attributed to either nonlinearities that might exist in the symptom severity levels (integer values 1 through 5 were assumed) or simply variations in performance judgment, cannot be ascertained for reasons previously discussed (see p. 59).

Table 13. Gun crew individual performance: chief of section.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 112111 | 0.2685 | 0.73145 | 0.81306 | 0.67478 | 0.78126 |
| 2 | 211111 | 0.2774 | 0.72256 | 0.67100 | 0.66149 | 0.77626 |
| 3 | 113111 | 0.3057 | 0.69432 | 0.81107 | 0.63454 | 0.74819 |
| 4 | 311111 | 0.3249 | 0.67510 | 0.69600 | 0.61140 | 0.73302 |
| 5 | 114111 | 0.3455 | 0.65454 | 0.69100 | 0.57861 | 0.72334 |
| 6 | 213111 | 0.3556 | 0.64441 | 0.60500 | 0.59741 | 0.68879 |
| 7 | 312111 | 0.3659 | 0.63415 | 0.61200 | 0.58877 | 0.67726 |
| 8 | 411111 | 0.3762 | 0.62376 | 0.53000 | 0.54979 | 0.69237 |
| 9 | 113121 | 0.3851 | 0.61490 | 0.55500 | 0.52196 | 0.70016 |
| 10 | 123111 | 0.3881 | 0.61185 | 0.64200 | 0.52799 | 0.68958 |
| 11 | 313111 | 0.4088 | 0.59115 | 0.65800 | 0.54948 | 0.63155 |
| 12 | 412111 | 0.4196 | 0.58035 | 0.55700 | 0.52531 | 0.63347 |
| 13 | 413111 | 0.4643 | 0.53567 | 0.55900 | 0.48626 | 0.58438 |
| 14 | 224111 | 0.4880 | 0.51199 | 0.36200 | 0.43957 | 0.58391 |
| 15 | 414111 | 0.5096 | 0.49040 | 0.49100 | 0.42870 | 0.55239 |
| 16 | 313112 | 0.5164 | 0.48360 | 0.46900 | 0.43661 | 0.53088 |
| 17 | 513111 | 0.5207 | 0.47928 | 0.51500 | 0.41373 | 0.54555 |
| 18 | 521111 | 0.5214 | 0.47862 | 0.53000 | 0.37414 | 0.58501 |
| 19 | 314112 | 0.5614 | 0.43858 | 0.39400 | 0.39014 | 0.48822 |
| 20 | 514111 | 0.5657 | 0.43432 | 0.40900 | 0.36244 | 0.50908 |
| 21 | 414112 | 0.6160 | 0.38397 | 0.36800 | 0.33381 | 0.43672 |
| 22 | 515311 | 0.6406 | 0.35942 | 0.38700 | 0.25578 | 0.47812 |
| 23 | 314113 | 0.6640 | 0.33598 | 0.25200 | 0.26982 | 0.40927 |
| 24 | 525111 | 0.6923 | 0.30772 | 0.28700 | 0.24104 | 0.38348 |
| 25 | 315113 | 0.7032 | 0.29680 | 0.25502 | 0.23130 | 0.37188 |
| 26 | 535111 | 0.7642 | 0.23577 | 0.26096 | 0.16219 | 0.32966 |
| 27 | 334231 | 0.7882 | 0.21182 | 0.22097 | 0.13424 | 0.31762 |
| 28 | 515431 | 0.7940 | 0.20603 | 0.15499 | 0.12909 | 0.31245 |
| 29 | 415314 | 0.8396 | 0.16043 | 0.15499 | 0.09850 | 0.25049 |
| 30 | 515223 | 0.8498 | 0.15020 | 0.28900 | 0.10603 | 0.20850 |

Table 14. Gun crew individual performance: gunner.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1680 | 0.83202 | 0.82807 | 0.79560 | 0.86307 |
| 2 | 112111 | 0.1821 | 0.81787 | 0.81593 | 0.78126 | 0.84941 |
| 3 | 311111 | 0.1894 | 0.81061 | 0.87303 | 0.77206 | 0.84396 |
| 4 | 411111 | 0.2128 | 0.78718 | 0.73100 | 0.74097 | 0.82693 |
| 5 | 113111 | 0.2215 | 0.77851 | 0.85705 | 0.73711 | 0.81487 |
| 6 | 312111 | 0.2299 | 0.77012 | 0.70900 | 0.74039 | 0.79738 |
| 7 | 213111 | 0.2479 | 0.75213 | 0.78600 | 0.71957 | 0.78211 |
| 8 | 113121 | 0.2541 | 0.74593 | 0.70000 | 0.68077 | 0.80155 |
| 9 | 412111 | 0.2567 | 0.74326 | 0.72800 | 0.70586 | 0.77730 |
| 10 | 114111 | 0.2666 | 0.73341 | 0.73000 | 0.67723 | 0.78279 |
| 11 | 313111 | 0.2761 | 0.72391 | 0.78194 | 0.69445 | 0.75157 |
| 12 | 123111 | 0.2901 | 0.70989 | 0.70700 | 0.64719 | 0.76549 |
| 13 | 413111 | 0.3063 | 0.69374 | 0.69400 | 0.65733 | 0.72788 |
| 14 | 521111 | 0.3101 | 0.68988 | 0.69800 | 0.60807 | 0.76133 |
| 15 | 513111 | 0.3382 | 0.66180 | 0.64300 | 0.61020 | 0.70981 |
| 16 | 414111 | 0.3606 | 0.63938 | 0.60000 | 0.58994 | 0.68603 |
| 17 | 313112 | 0.3719 | 0.62814 | 0.63100 | 0.59030 | 0.66447 |
| 18 | 224111 | 0.3767 | 0.62330 | 0.54000 | 0.56445 | 0.67873 |
| 19 | 514111 | 0.3950 | 0.60500 | 0.59200 | 0.54336 | 0.66348 |
| 20 | 314112 | 0.4306 | 0.56937 | 0.50900 | 0.52782 | 0.60996 |
| 21 | 414112 | 0.4668 | 0.53319 | 0.53500 | 0.48740 | 0.57843 |
| 22 | 314113 | 0.5400 | 0.45998 | 0.41700 | 0.39545 | 0.52587 |
| 23 | 515311 | 0.5412 | 0.45884 | 0.53400 | 0.35964 | 0.56141 |
| 24 | 525111 | 0.5450 | 0.45504 | 0.40600 | 0.38636 | 0.52547 |
| 25 | 315113 | 0.6000 | 0.40001 | 0.40400 | 0.33410 | 0.46976 |
| 26 | 334231 | 0.6313 | 0.36874 | 0.38400 | 0.26910 | 0.48099 |
| 27 | 535111 | 0.6323 | 0.36771 | 0.41400 | 0.28215 | 0.46251 |
| 28 | 515431 | 0.6678 | 0.33221 | 0.27500 | 0.23704 | 0.44334 |
| 29 | 515223 | 0.7410 | 0.25903 | 0.39900 | 0.20005 | 0.32826 |
| 30 | 415314 | 0.7922 | 0.20784 | 0.16995 | 0.14088 | 0.29567 |

Table 15. Gun crew individual performance: assistant gunner.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1917 | 0.80630 | 0.80298 | 0.77312 | 0.83916 |
| 2 | 112111 | 0.2112 | 0.78885 | 0.78801 | 0.75325 | 0.82039 |
| 3 | 311111 | 0.2135 | 0.78651 | 0.83202 | 0.74988 | 0.81906 |
| 4 | 411111 | 0.2370 | 0.76296 | 0.74895 | 0.71963 | 0.80155 |
| 5 | 113111 | 0.2571 | 0.74288 | 0.82201 | 0.70301 | 0.77903 |
| 6 | 312111 | 0.2596 | 0.74039 | 0.70000 | 0.71215 | 0.76656 |
| 7 | 213111 | 0.2838 | 0.71623 | 0.71100 | 0.68518 | 0.74536 |
| 8 | 412111 | 0.2865 | 0.71352 | 0.70900 | 0.67860 | 0.74612 |
| 9 | 113121 | 0.3005 | 0.69952 | 0.67500 | 0.63721 | 0.75528 |
| 10 | 114111 | 0.3091 | 0.69086 | 0.69000 | 0.63771 | 0.73943 |
| 11 | 313111 | 0.3120 | 0.68802 | 0.76296 | 0.66032 | 0.71443 |
| 12 | 123111 | 0.3331 | 0.66688 | 0.67000 | 0.60822 | 0.72080 |
| 13 | 521111 | 0.3390 | 0.66096 | 0.65800 | 0.58652 | 0.72821 |
| 14 | 413111 | 0.3417 | 0.65833 | 0.65200 | 0.62462 | 0.69052 |
| 15 | 513111 | 0.3726 | 0.62736 | 0.58200 | 0.58029 | 0.67212 |
| 16 | 414111 | 0.4015 | 0.59849 | 0.56100 | 0.55349 | 0.64189 |
| 17 | 313112 | 0.4121 | 0.58794 | 0.57500 | 0.55358 | 0.62147 |
| 18 | 224111 | 0.4250 | 0.57504 | 0.50100 | 0.52169 | 0.62670 |
| 19 | 514111 | 0.4343 | 0.56567 | 0.54400 | 0.51035 | 0.61940 |
| 20 | 314112 | 0.4753 | 0.52467 | 0.47900 | 0.48767 | 0.56141 |
| 21 | 414112 | 0.5091 | 0.49095 | 0.49000 | 0.45066 | 0.53136 |
| 22 | 515311 | 0.5628 | 0.43718 | 0.51500 | 0.35067 | 0.52769 |
| 23 | 314113 | 0.5834 | 0.41663 | 0.37100 | 0.36133 | 0.47411 |
| 24 | 525111 | 0.5888 | 0.41116 | 0.37000 | 0.35245 | 0.47251 |
| 25 | 315113 | 0.6441 | 0.35588 | 0.35900 | 0.30065 | 0.41522 |
| 26 | 535111 | 0.6739 | 0.32610 | 0.37700 | 0.25502 | 0.40609 |
| 27 | 334231 | 0.6815 | 0.31845 | 0.32100 | 0.23722 | 0.41251 |
| 28 | 515431 | 0.6930 | 0.30698 | 0.25200 | 0.22618 | 0.40155 |
| 29 | 515223 | 0.7701 | 0.22988 | 0.36100 | 0.18168 | 0.28631 |
| 30 | 415314 | 0.8060 | 0.19404 | 0.16097 | 0.13729 | 0.26718 |

Table 16. Gun crew individual performance: loader.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.3186 | 0.68137 | 0.65000 | 0.64467 | 0.71595 |
| 2 | 311111 | 0.3513 | 0.64871 | 0.65300 | 0.61163 | 0.68408 |
| 3 | 112111 | 0.3528 | 0.64718 | 0.69000 | 0.61091 | 0.68184 |
| 4 | 411111 | 0.3854 | 0.61459 | 0.56500 | 0.57241 | 0.65512 |
| 5 | 312111 | 0.4223 | 0.57768 | 0.55600 | 0.55078 | 0.60412 |
| 6 | 113111 | 0.4239 | 0.57605 | 0.69700 | 0.53813 | 0.61309 |
| 7 | 412111 | 0.4585 | 0.54154 | 0.52000 | 0.50974 | 0.57300 |
| 8 | 213111 | 0.4601 | 0.53988 | 0.54200 | 0.51136 | 0.56814 |
| 9 | 113121 | 0.4824 | 0.51764 | 0.47300 | 0.46334 | 0.57154 |
| 10 | 521111 | 0.4934 | 0.50664 | 0.55000 | 0.44548 | 0.56760 |
| 11 | 123111 | 0.4967 | 0.50330 | 0.50200 | 0.45435 | 0.55220 |
| 12 | 313111 | 0.4967 | 0.50329 | 0.55900 | 0.47895 | 0.52760 |
| 13 | 114111 | 0.4984 | 0.50162 | 0.45200 | 0.45566 | 0.54755 |
| 14 | 413111 | 0.5333 | 0.46666 | 0.49600 | 0.43860 | 0.49492 |
| 15 | 513111 | 0.5696 | 0.43038 | 0.39600 | 0.39357 | 0.46798 |
| 16 | 313112 | 0.6051 | 0.39490 | 0.38700 | 0.36933 | 0.42107 |
| 17 | 224111 | 0.6067 | 0.39326 | 0.33000 | 0.35432 | 0.43361 |
| 18 | 414111 | 0.6068 | 0.39325 | 0.37000 | 0.35984 | 0.42768 |
| 19 | 514111 | 0.6412 | 0.35884 | 0.36200 | 0.32029 | 0.39930 |
| 20 | 314112 | 0.6741 | 0.32589 | 0.34400 | 0.30128 | 0.35149 |
| 21 | 414112 | 0.7055 | 0.29451 | 0.29500 | 0.26924 | 0.32112 |
| 22 | 314113 | 0.7626 | 0.23740 | 0.22305 | 0.20636 | 0.27153 |
| 23 | 525111 | 0.7639 | 0.23613 | 0.22794 | 0.20327 | 0.27259 |
| 24 | 515311 | 0.7811 | 0.21892 | 0.24899 | 0.17480 | 0.27072 |
| 25 | 535111 | 0.8126 | 0.18740 | 0.18694 | 0.15008 | 0.23148 |
| 26 | 315113 | 0.8126 | 0.18740 | 0.17902 | 0.15963 | 0.21874 |
| 27 | 334231 | 0.8236 | 0.17639 | 0.18801 | 0.13517 | 0.22671 |
| 28 | 515431 | 0.8742 | 0.12576 | 0.10997 | 0.09449 | 0.16548 |
| 29 | 515223 | 0.8995 | 0.10047 | 0.13401 | 0.08166 | 0.12314 |
| 30 | 415314 | 0.9202 | 0.07980 | 0.06998 | 0.05925 | 0.10679 |

Table 17. FDC crew individual performance: fire direction officer.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 112111 | 0.1606 | 0.83943 | 0.90602 | 0.78381 | 0.88298 |
| 2 | 113111 | 0.1701 | 0.82991 | 0.94401 | 0.77259 | 0.87512 |
| 3 | 114111 | 0.1802 | 0.81980 | 0.77903 | 0.74668 | 0.87534 |
| 4 | 211111 | 0.1832 | 0.81683 | 0.70200 | 0.75176 | 0.86784 |
| 5 | 213111 | 0.2051 | 0.79495 | 0.80799 | 0.74763 | 0.83548 |
| 6 | 113121 | 0.2069 | 0.79315 | 0.70400 | 0.69666 | 0.86483 |
| 7 | 311111 | 0.2201 | 0.77989 | 0.77799 | 0.70899 | 0.83753 |
| 8 | 312111 | 0.2322 | 0.76781 | 0.69300 | 0.71870 | 0.81046 |
| 9 | 313111 | 0.2449 | 0.75510 | 0.78701 | 0.71025 | 0.79495 |
| 10 | 123111 | 0.2573 | 0.74269 | 0.77903 | 0.64507 | 0.82083 |
| 11 | 411111 | 0.2619 | 0.73808 | 0.69700 | 0.65112 | 0.80969 |
| 12 | 412111 | 0.2756 | 0.72438 | 0.76692 | 0.66058 | 0.78023 |
| 13 | 413111 | 0.2898 | 0.71025 | 0.82201 | 0.65246 | 0.76188 |
| 14 | 414111 | 0.3043 | 0.69569 | 0.69800 | 0.62048 | 0.76170 |
| 15 | 224111 | 0.3185 | 0.68150 | 0.48200 | 0.59113 | 0.76006 |
| 16 | 513111 | 0.3391 | 0.66088 | 0.60900 | 0.57668 | 0.73595 |
| 17 | 313112 | 0.3450 | 0.65503 | 0.65000 | 0.59534 | 0.71021 |
| 18 | 514111 | 0.3549 | 0.64508 | 0.62500 | 0.54795 | 0.73165 |
| 19 | 314112 | 0.3609 | 0.63911 | 0.54900 | 0.57498 | 0.69864 |
| 20 | 414112 | 0.4153 | 0.58471 | 0.62700 | 0.51199 | 0.65392 |
| 21 | 521111 | 0.4300 | 0.56998 | 0.59700 | 0.42644 | 0.70264 |
| 22 | 515311 | 0.4525 | 0.54748 | 0.50900 | 0.38453 | 0.70085 |
| 23 | 314113 | 0.4783 | 0.52169 | 0.42800 | 0.41659 | 0.62490 |
| 24 | 315113 | 0.4957 | 0.50427 | 0.47300 | 0.39196 | 0.61615 |
| 25 | 525111 | 0.4993 | 0.50072 | 0.49400 | 0.38934 | 0.61202 |
| 26 | 515431 | 0.6130 | 0.38696 | 0.35300 | 0.22882 | 0.57320 |
| 27 | 535111 | 0.6276 | 0.37238 | 0.41100 | 0.24031 | 0.52661 |
| 28 | 334231 | 0.6557 | 0.34430 | 0.37000 | 0.20021 | 0.52407 |
| 29 | 515223 | 0.7008 | 0.29917 | 0.42400 | 0.19957 | 0.42227 |
| 30 | 415314 | 0.7377 | 0.26231 | 0.27100 | 0.14332 | 0.43034 |

Table 18. FDC crew individual performance: horizontal control operator.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 112111 | 0.2352 | 0.76477 | 0.79803 | 0.72642 | 0.79931 |
| 2 | 211111 | 0.2522 | 0.74782 | 0.69700 | 0.70539 | 0.78600 |
| 3 | 113111 | 0.2531 | 0.74687 | 0.86105 | 0.70708 | 0.78279 |
| 4 | 113121 | 0.2721 | 0.72795 | 0.65300 | 0.66837 | 0.78040 |
| 5 | 114111 | 0.2721 | 0.72789 | 0.74307 | 0.67782 | 0.77277 |
| 6 | 311111 | 0.2895 | 0.71047 | 0.67400 | 0.66602 | 0.75120 |
| 7 | 213111 | 0.2907 | 0.70930 | 0.69200 | 0.67763 | 0.73904 |
| 8 | 312111 | 0.3100 | 0.68998 | 0.68500 | 0.65869 | 0.71962 |
| 9 | 123111 | 0.3237 | 0.67628 | 0.69300 | 0.61797 | 0.72959 |
| 10 | 411111 | 0.3300 | 0.66997 | 0.67200 | 0.61777 | 0.71830 |
| 11 | 313111 | 0.3313 | 0.66871 | 0.64400 | 0.64002 | 0.69620 |
| 12 | 412111 | 0.3520 | 0.64803 | 0.69300 | 0.60925 | 0.68495 |
| 13 | 413111 | 0.3746 | 0.62545 | 0.67200 | 0.59029 | 0.65933 |
| 14 | 224111 | 0.3895 | 0.61051 | 0.46100 | 0.55788 | 0.63793 |
| 15 | 414111 | 0.3977 | 0.60231 | 0.59600 | 0.55715 | 0.64579 |
| 16 | 313112 | 0.4058 | 0.59422 | 0.62400 | 0.55978 | 0.62776 |
| 17 | 513111 | 0.4199 | 0.58009 | 0.53300 | 0.53122 | 0.62743 |
| 18 | 314112 | 0.4295 | 0.57048 | 0.55800 | 0.53365 | 0.60654 |
| 19 | 514111 | 0.4439 | 0.55613 | 0.55000 | 0.50034 | 0.61055 |
| 20 | 521111 | 0.4567 | 0.54329 | 0.55400 | 0.46350 | 0.62092 |
| 21 | 414112 | 0.4765 | 0.52353 | 0.56900 | 0.48286 | 0.56388 |
| 22 | 314113 | 0.5093 | 0.49072 | 0.45300 | 0.43255 | 0.54915 |
| 23 | 315113 | 0.5336 | 0.46636 | 0.43900 | 0.40440 | 0.52937 |
| 24 | 515311 | 0.5352 | 0.46480 | 0.44000 | 0.37598 | 0.55592 |
| 25 | 525111 | 0.5540 | 0.44596 | 0.46700 | 0.36518 | 0.50839 |
| 26 | 334231 | 0.6021 | 0.39793 | 0.43100 | 0.30496 | 0.49890 |
| 27 | 515431 | 0.6154 | 0.38459 | 0.37900 | 0.29155 | 0.48691 |
| 28 | 535111 | 0.6369 | 0.36312 | 0.37800 | 0.28707 | 0.44668 |
| 29 | 515223 | 0.6783 | 0.32175 | 0.35000 | 0.26057 | 0.38979 |
| 30 | 415314 | 0.7138 | 0.28615 | 0.28700 | 0.20899 | 0.37823 |

Table 19. FDC crew individual performance: computer.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 112111 | 0.1790 | 0.82098 | 0.86704 | 0.78951 | 0.84864 |
| 2 | 113111 | 0.1902 | 0.80984 | 0.88205 | 0.77747 | 0.83849 |
| 3 | 211111 | 0.1925 | 0.80752 | 0.74193 | 0.77242 | 0.83835 |
| 4 | 113121 | 0.1985 | 0.80155 | 0.78701 | 0.75325 | 0.84251 |
| 5 | 114111 | 0.2018 | 0.79319 | 0.76906 | 0.75731 | 0.83383 |
| 6 | 213111 | 0.2164 | 0.78364 | 0.77903 | 0.75750 | 0.80752 |
| 7 | 311111 | 0.2189 | 0.78108 | 0.76296 | 0.74403 | 0.81412 |
| 8 | 312111 | 0.2318 | 0.76817 | 0.74706 | 0.74212 | 0.79233 |
| 9 | 313111 | 0.2451 | 0.75491 | 0.76206 | 0.73085 | 0.77730 |
| 10 | 411111 | 0.2479 | 0.75213 | 0.72500 | 0.70767 | 0.79167 |
| 11 | 412111 | 0.2619 | 0.73808 | 0.75399 | 0.70505 | 0.76852 |
| 12 | 123111 | 0.2639 | 0.73614 | 0.73100 | 0.68822 | 0.78245 |
| 13 | 413111 | 0.2764 | 0.72357 | 0.82201 | 0.69343 | 0.75176 |
| 14 | 414111 | 0.2914 | 0.70858 | 0.69300 | 0.66928 | 0.74498 |
| 15 | 513111 | 0.3100 | 0.68995 | 0.66000 | 0.64654 | 0.73026 |
| 16 | 224111 | 0.3121 | 0.68791 | 0.56800 | 0.64007 | 0.73204 |
| 17 | 313112 | 0.3160 | 0.68405 | 0.72200 | 0.65311 | 0.71344 |
| 18 | 514111 | 0.3260 | 0.67396 | 0.64000 | 0.62348 | 0.72071 |
| 19 | 314112 | 0.3321 | 0.66790 | 0.66200 | 0.63442 | 0.69976 |
| 20 | 414112 | 0.3690 | 0.63097 | 0.64900 | 0.59274 | 0.66763 |
| 21 | 521111 | 0.3718 | 0.62822 | 0.64200 | 0.55182 | 0.69871 |
| 22 | 314113 | 0.4142 | 0.58580 | 0.55500 | 0.52864 | 0.64073 |
| 23 | 315113 | 0.4322 | 0.56780 | 0.53700 | 0.50578 | 0.62777 |
| 24 | 525111 | 0.4428 | 0.55716 | 0.55800 | 0.49541 | 0.61720 |
| 25 | 515311 | 0.4444 | 0.55555 | 0.56800 | 0.46537 | 0.64221 |
| 26 | 515431 | 0.5243 | 0.47569 | 0.44400 | 0.37502 | 0.57837 |
| 27 | 334231 | 0.5288 | 0.47123 | 0.50400 | 0.37270 | 0.57206 |
| 28 | 535111 | 0.5481 | 0.45187 | 0.47900 | 0.36882 | 0.53770 |
| 29 | 515223 | 0.5792 | 0.42084 | 0.44100 | 0.35120 | 0.49379 |
| 30 | 415314 | 0.6617 | 0.33831 | 0.34600 | 0.25275 | 0.43583 |

Table 20. Tank crew individual performance: tank commander.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 112111 | 0.1468 | 0.85321 | 0.89003 | 0.81653 | 0.88360 |
| 2 | 211111 | 0.1554 | 0.84462 | 0.85705 | 0.80392 | 0.87825 |
| 3 | 113111 | 0.1792 | 0.82083 | 0.90203 | 0.77868 | 0.85644 |
| 4 | 113121 | 0.1857 | 0.81427 | 0.84198 | 0.75120 | 0.86436 |
| 5 | 311111 | 0.1996 | 0.80043 | 0.77206 | 0.75325 | 0.84051 |
| 6 | 114111 | 0.2169 | 0.78313 | 0.68500 | 0.72476 | 0.83216 |
| 7 | 213111 | 0.2283 | 0.77171 | 0.73808 | 0.73517 | 0.80440 |
| 8 | 312111 | 0.2403 | 0.75969 | 0.72000 | 0.72380 | 0.79233 |
| 9 | 411111 | 0.2527 | 0.74725 | 0.68000 | 0.68659 | 0.79979 |
| 10 | 123111 | 0.2644 | 0.73556 | 0.76296 | 0.66515 | 0.79576 |
| 11 | 313111 | 0.2863 | 0.71367 | 0.75306 | 0.67835 | 0.74649 |
| 12 | 412111 | 0.3001 | 0.69986 | 0.75306 | 0.65197 | 0.74384 |
| 13 | 413111 | 0.3523 | 0.64766 | 0.69200 | 0.60216 | 0.69064 |
| 14 | 224111 | 0.3820 | 0.61795 | 0.56700 | 0.54865 | 0.68277 |
| 15 | 313112 | 0.3926 | 0.60739 | 0.52300 | 0.56229 | 0.65073 |
| 16 | 414111 | 0.4083 | 0.59169 | 0.63300 | 0.53163 | 0.64913 |
| 17 | 513111 | 0.4245 | 0.57549 | 0.60300 | 0.51085 | 0.63764 |
| 18 | 521111 | 0.4302 | 0.56976 | 0.56300 | 0.46496 | 0.66865 |
| 19 | 314112 | 0.4505 | 0.54947 | 0.46900 | 0.50058 | 0.59743 |
| 20 | 514111 | 0.4834 | 0.51661 | 0.48800 | 0.44307 | 0.58943 |
| 21 | 414112 | 0.5265 | 0.47353 | 0.48800 | 0.42060 | 0.52707 |
| 22 | 314113 | 0.5692 | 0.43085 | 0.33500 | 0.35732 | 0.50756 |
| 23 | 315113 | 0.6263 | 0.37373 | 0.35400 | 0.29973 | 0.45416 |
| 24 | 515311 | 0.6295 | 0.37055 | 0.37800 | 0.26678 | 0.48791 |
| 25 | 334231 | 0.6433 | 0.35671 | 0.31700 | 0.24435 | 0.48747 |
| 26 | 525111 | 0.6616 | 0.33839 | 0.27300 | 0.26894 | 0.41569 |
| 27 | 515431 | 0.6893 | 0.31072 | 0.26096 | 0.20636 | 0.43865 |
| 28 | 535111 | 0.7631 | 0.23685 | 0.31200 | 0.16410 | 0.32925 |
| 29 | 515223 | 0.7938 | 0.20620 | 0.33200 | 0.14931 | 0.27758 |
| 30 | 415314 | 0.8397 | 0.16030 | 0.17393 | 0.09930 | 0.24843 |

Table 21. Tank crew individual performance: gunner.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 112111 | 0.1027 | 0.89734 | 0.94202 | 0.87147 | 0.91849 |
| 2 | 211111 | 0.1148 | 0.88524 | 0.87900 | 0.85508 | 0.90987 |
| 3 | 113121 | 0.1174 | 0.88257 | 0.89798 | 0.84037 | 0.91467 |
| 4 | 113111 | 0.1209 | 0.87911 | 0.92498 | 0.84980 | 0.90344 |
| 5 | 114111 | 0.1417 | 0.85827 | 0.79899 | 0.81757 | 0.89110 |
| 6 | 311111 | 0.1499 | 0.85005 | 0.82506 | 0.81382 | 0.88027 |
| 7 | 213111 | 0.1576 | 0.84237 | 0.81306 | 0.81593 | 0.86565 |
| 8 | 312111 | 0.1748 | 0.82520 | 0.78194 | 0.79786 | 0.84954 |
| 9 | 411111 | 0.1936 | 0.80643 | 0.75194 | 0.75786 | 0.84723 |
| 10 | 123111 | 0.1977 | 0.80234 | 0.82807 | 0.74649 | 0.84839 |
| 11 | 313111 | 0.2029 | 0.79706 | 0.81995 | 0.77012 | 0.82171 |
| 12 | 412111 | 0.2237 | 0.77626 | 0.81199 | 0.73788 | 0.81031 |
| 13 | 413111 | 0.2573 | 0.74269 | 0.78398 | 0.70585 | 0.77643 |
| 14 | 224111 | 0.2870 | 0.71298 | 0.65500 | 0.65427 | 0.76531 |
| 15 | 414111 | 0.2938 | 0.70620 | 0.71700 | 0.65574 | 0.75213 |
| 16 | 313112 | 0.3050 | 0.69499 | 0.62900 | 0.65623 | 0.73126 |
| 17 | 513111 | 0.3203 | 0.67970 | 0.70800 | 0.62339 | 0.73126 |
| 18 | 314112 | 0.3452 | 0.65479 | 0.57000 | 0.61142 | 0.69573 |
| 19 | 514111 | 0.3615 | 0.63853 | 0.64500 | 0.57148 | 0.70059 |
| 20 | 521111 | 0.3691 | 0.63091 | 0.64300 | 0.53369 | 0.71855 |
| 21 | 414112 | 0.4177 | 0.58229 | 0.58200 | 0.53197 | 0.63095 |
| 22 | 314113 | 0.4762 | 0.52382 | 0.45500 | 0.45052 | 0.59610 |
| 23 | 515311 | 0.5097 | 0.49030 | 0.51800 | 0.37816 | 0.60343 |
| 24 | 315113 | 0.5220 | 0.47800 | 0.47000 | 0.40021 | 0.55687 |
| 25 | 334231 | 0.5322 | 0.46779 | 0.43400 | 0.34461 | 0.59504 |
| 26 | 515431 | 0.5465 | 0.45347 | 0.39400 | 0.32948 | 0.58353 |
| 27 | 525111 | 0.5492 | 0.45079 | 0.37500 | 0.37478 | 0.52917 |
| 28 | 535111 | 0.6858 | 0.31420 | 0.38600 | 0.22846 | 0.41474 |
| 29 | 515223 | 0.7077 | 0.29233 | 0.43000 | 0.22149 | 0.37498 |
| 30 | 415314 | 0.7966 | 0.20343 | 0.20702 | 0.13147 | 0.30107 |

Table 22. Tank crew individual performance: loader.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1908 | 0.80923 | 0.81503 | 0.77030 | 0.84290 |
| 2 | 112111 | 0.2026 | 0.79738 | 0.84104 | 0.75896 | 0.83090 |
| 3 | 311111 | 0.2281 | 0.77189 | 0.74097 | 0.72941 | 0.80954 |
| 4 | 113111 | 0.2556 | 0.74441 | 0.83603 | 0.70044 | 0.78398 |
| 5 | 113121 | 0.2567 | 0.74326 | 0.74193 | 0.67962 | 0.79803 |
| 6 | 411111 | 0.2702 | 0.72983 | 0.70400 | 0.67777 | 0.77626 |
| 7 | 312111 | 0.2852 | 0.71478 | 0.66600 | 0.68185 | 0.74555 |
| 8 | 213111 | 0.3008 | 0.69924 | 0.66300 | 0.66376 | 0.73243 |
| 9 | 114111 | 0.3168 | 0.68323 | 0.59400 | 0.62366 | 0.73730 |
| 10 | 412111 | 0.3333 | 0.66667 | 0.68100 | 0.62498 | 0.70591 |
| 11 | 123111 | 0.3497 | 0.65031 | 0.68300 | 0.58411 | 0.71118 |
| 12 | 313111 | 0.3502 | 0.64980 | 0.68300 | 0.61749 | 0.68079 |
| 13 | 413111 | 0.4031 | 0.59691 | 0.64200 | 0.55741 | 0.63519 |
| 14 | 521111 | 0.4208 | 0.57917 | 0.54400 | 0.49208 | 0.66159 |
| 15 | 513111 | 0.4583 | 0.54167 | 0.60700 | 0.48742 | 0.59495 |
| 16 | 313112 | 0.4756 | 0.52440 | 0.44400 | 0.48569 | 0.56282 |
| 17 | 224111 | 0.4764 | 0.52355 | 0.51800 | 0.46412 | 0.58233 |
| 18 | 414111 | 0.4770 | 0.52299 | 0.52100 | 0.47214 | 0.57337 |
| 19 | 514111 | 0.5333 | 0.46667 | 0.49200 | 0.40625 | 0.52809 |
| 20 | 314112 | 0.5505 | 0.44945 | 0.43400 | 0.40941 | 0.49016 |
| 21 | 414112 | 0.6055 | 0.39450 | 0.44600 | 0.35273 | 0.43787 |
| 22 | 314113 | 0.6733 | 0.32666 | 0.25407 | 0.27278 | 0.38553 |
| 23 | 334231 | 0.6843 | 0.31566 | 0.33500 | 0.22741 | 0.41966 |
| 24 | 515311 | 0.6893 | 0.31071 | 0.32600 | 0.23183 | 0.40239 |
| 25 | 525111 | 0.7074 | 0.29257 | 0.24694 | 0.23903 | 0.35253 |
| 26 | 515431 | 0.7292 | 0.27082 | 0.20603 | 0.19016 | 0.37004 |
| 27 | 315113 | 0.7358 | 0.26425 | 0.20505 | 0.21400 | 0.32149 |
| 28 | 535111 | 0.7912 | 0.20883 | 0.21501 | 0.15277 | 0.27887 |
| 29 | 515223 | 0.8406 | 0.15936 | 0.24694 | 0.12036 | 0.20817 |
| 30 | 415314 | 0.8941 | 0.10593 | 0.12100 | 0.06978 | 0.15776 |

Table 23. Tank crew individual performance: driver.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1255 | 0.87446 | 0.86796 | 0.84396 | 0.89971 |
| 2 | 112111 | 0.1368 | 0.86319 | 0.89604 | 0.83230 | 0.88904 |
| 3 | 311111 | 0.1506 | 0.84941 | 0.87501 | 0.81533 | 0.87815 |
| 4 | 113111 | 0.1777 | 0.82230 | 0.91003 | 0.78516 | 0.85433 |
| 5 | 113121 | 0.1795 | 0.82054 | 0.81802 | 0.76585 | 0.86471 |
| 6 | 411111 | 0.1796 | 0.82039 | 0.78108 | 0.77730 | 0.85668 |
| 7 | 312111 | 0.1947 | 0.80534 | 0.75101 | 0.77765 | 0.83048 |
| 8 | 213111 | 0.2105 | 0.78951 | 0.79803 | 0.75878 | 0.81728 |
| 9 | 114111 | 0.2274 | 0.77259 | 0.67200 | 0.71896 | 0.81862 |
| 10 | 412111 | 0.2297 | 0.77030 | 0.77206 | 0.73361 | 0.80313 |
| 11 | 313111 | 0.2477 | 0.75232 | 0.77294 | 0.72332 | 0.77920 |
| 12 | 123111 | 0.2639 | 0.73614 | 0.71700 | 0.67335 | 0.79051 |
| 13 | 413111 | 0.2890 | 0.71098 | 0.76296 | 0.67388 | 0.74536 |
| 14 | 521111 | 0.3097 | 0.69028 | 0.65200 | 0.60432 | 0.76477 |
| 15 | 513111 | 0.3342 | 0.66583 | 0.69000 | 0.61190 | 0.71574 |
| 16 | 313112 | 0.3382 | 0.66181 | 0.57600 | 0.62354 | 0.69808 |
| 17 | 414111 | 0.3565 | 0.64352 | 0.63500 | 0.59183 | 0.69207 |
| 18 | 224111 | 0.3763 | 0.62372 | 0.62400 | 0.56195 | 0.68171 |
| 19 | 514111 | 0.4062 | 0.59385 | 0.63500 | 0.52874 | 0.65582 |
| 20 | 314112 | 0.4105 | 0.58950 | 0.53600 | 0.54633 | 0.63134 |
| 21 | 414112 | 0.4623 | 0.53771 | 0.56500 | 0.48970 | 0.58502 |
| 22 | 314113 | 0.5194 | 0.48059 | 0.44000 | 0.41228 | 0.54964 |
| 23 | 515311 | 0.5743 | 0.42566 | 0.39800 | 0.32485 | 0.53306 |
| 24 | 315113 | 0.5956 | 0.40441 | 0.32800 | 0.33507 | 0.47778 |
| 25 | 334231 | 0.6039 | 0.39606 | 0.39000 | 0.28782 | 0.51553 |
| 26 | 525111 | 0.6074 | 0.39259 | 0.35100 | 0.32464 | 0.46496 |
| 27 | 515431 | 0.6246 | 0.37538 | 0.33200 | 0.26835 | 0.49609 |
| 28 | 535111 | 0.7198 | 0.28023 | 0.33300 | 0.20522 | 0.36995 |
| 29 | 515223 | 0.7322 | 0.26776 | 0.36400 | 0.20457 | 0.34198 |
| 30 | 415314 | 0.8033 | 0.19671 | 0.22794 | 0.13011 | 0.28604 |

Table 24. TOW crew individual performance: squad leader.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1285 | 0.87147 | 0.87900 | 0.83548 | 0.90043 |
| 2 | 112111 | 0.1450 | 0.85495 | 0.89898 | 0.81847 | 0.88514 |
| 3 | 111121 | 0.1484 | 0.85157 | 0.93401 | 0.81275 | 0.88350 |
| 4 | 311111 | 0.1566 | 0.84343 | 0.82607 | 0.80187 | 0.87761 |
| 5 | 212111 | 0.1758 | 0.82419 | 0.83299 | 0.79167 | 0.85246 |
| 6 | 411111 | 0.1892 | 0.81077 | 0.74307 | 0.75639 | 0.85545 |
| 7 | 113111 | 0.1970 | 0.80298 | 0.86796 | 0.75768 | 0.84158 |
| 8 | 112121 | 0.2013 | 0.79867 | 0.89100 | 0.75969 | 0.83272 |
| 9 | 111131 | 0.2057 | 0.79429 | 0.67600 | 0.72351 | 0.85056 |
| 10 | 312111 | 0.2115 | 0.78852 | 0.71000 | 0.75343 | 0.81965 |
| 11 | 213111 | 0.2358 | 0.76423 | 0.79101 | 0.72684 | 0.79803 |
| 12 | 123111 | 0.2431 | 0.75694 | 0.76602 | 0.68373 | 0.81787 |
| 13 | 412111 | 0.2524 | 0.74763 | 0.76995 | 0.69955 | 0.79051 |
| 14 | 114111 | 0.2617 | 0.73827 | 0.71800 | 0.67164 | 0.79543 |
| 15 | 113121 | 0.2672 | 0.73282 | 0.81306 | 0.68240 | 0.77799 |
| 16 | 112131 | 0.2725 | 0.72750 | 0.61500 | 0.64910 | 0.79397 |
| 17 | 521111 | 0.2775 | 0.72252 | 0.72200 | 0.62251 | 0.80440 |
| 18 | 313111 | 0.2795 | 0.72050 | 0.69600 | 0.68359 | 0.75473 |
| 19 | 413111 | 0.3279 | 0.67210 | 0.69900 | 0.62280 | 0.71788 |
| 20 | 113131 | 0.3513 | 0.64869 | 0.64800 | 0.55545 | 0.73184 |
| 21 | 314111 | 0.3593 | 0.64066 | 0.58000 | 0.58381 | 0.69382 |
| 22 | 224111 | 0.3685 | 0.63148 | 0.60500 | 0.55730 | 0.69992 |
| 23 | 114112 | 0.3707 | 0.62929 | 0.48900 | 0.56305 | 0.69100 |
| 24 | 513111 | 0.3802 | 0.61975 | 0.59200 | 0.54876 | 0.68596 |
| 25 | 313112 | 0.3919 | 0.60813 | 0.51300 | 0.56269 | 0.65176 |
| 26 | 414111 | 0.4136 | 0.58638 | 0.64800 | 0.52120 | 0.64867 |
| 27 | 214112 | 0.4256 | 0.57443 | 0.45200 | 0.52189 | 0.62535 |
| 28 | 514111 | 0.4701 | 0.52992 | 0.54200 | 0.44894 | 0.60934 |
| 29 | 314112 | 0.4823 | 0.51768 | 0.49800 | 0.46926 | 0.56577 |
| 30 | 515311 | 0.5363 | 0.46367 | 0.40200 | 0.35061 | 0.58059 |
| 31 | 414112 | 0.5395 | 0.46047 | 0.49500 | 0.40379 | 0.51818 |
| 32 | 214113 | 0.5517 | 0.44831 | 0.34300 | 0.37157 | 0.52758 |
| 33 | 314113 | 0.6075 | 0.39252 | 0.40200 | 0.32116 | 0.46879 |
| 34 | 525111 | 0.6266 | 0.37338 | 0.37800 | 0.29555 | 0.45836 |
| 35 | 334231 | 0.6682 | 0.33183 | 0.28700 | 0.22426 | 0.46033 |
| 36 | 535111 | 0.6871 | 0.31289 | 0.36500 | 0.21806 | 0.42659 |
| 37 | 315113 | 0.6911 | 0.30887 | 0.32500 | 0.24269 | 0.38383 |
| 38 | 515431 | 0.7081 | 0.29194 | 0.26698 | 0.18422 | 0.42943 |
| 39 | 415314 | 0.8083 | 0.19170 | 0.21098 | 0.11899 | 0.29406 |
| 40 | 515223 | 0.8331 | 0.16687 | 0.31800 | 0.11816 | 0.23041 |

Table 25. TOW crew individual performance: gunner.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1694 | 0.83062 | 0.85296 | 0.78617 | 0.86738 |
| 2 | 112111 | 0.1891 | 0.81092 | 0.86495 | 0.76638 | 0.84851 |
| 3 | 111121 | 0.1926 | 0.80737 | 0.91396 | 0.76024 | 0.84710 |
| 4 | 311111 | 0.2064 | 0.79364 | 0.75007 | 0.74307 | 0.83658 |
| 5 | 212111 | 0.2292 | 0.77083 | 0.74193 | 0.73184 | 0.80565 |
| 6 | 411111 | 0.2488 | 0.75120 | 0.65800 | 0.68619 | 0.80643 |
| 7 | 113111 | 0.2539 | 0.74612 | 0.83005 | 0.69283 | 0.79298 |
| 8 | 112121 | 0.2581 | 0.74193 | 0.86295 | 0.69607 | 0.78279 |
| 9 | 111131 | 0.2625 | 0.73750 | 0.61300 | 0.65581 | 0.80550 |
| 10 | 312111 | 0.2749 | 0.72510 | 0.63800 | 0.68391 | 0.76278 |
| 11 | 123111 | 0.3006 | 0.69940 | 0.71900 | 0.61758 | 0.77030 |
| 12 | 213111 | 0.3025 | 0.69745 | 0.62700 | 0.65429 | 0.73730 |
| 13 | 412111 | 0.3258 | 0.67417 | 0.75007 | 0.61919 | 0.72474 |
| 14 | 114111 | 0.3317 | 0.66830 | 0.59600 | 0.59382 | 0.73517 |
| 15 | 113121 | 0.3367 | 0.66329 | 0.76799 | 0.60677 | 0.71550 |
| 16 | 112131 | 0.3418 | 0.65825 | 0.55700 | 0.57175 | 0.73536 |
| 17 | 521111 | 0.3479 | 0.65208 | 0.63300 | 0.54287 | 0.74725 |
| 18 | 313111 | 0.3561 | 0.64391 | 0.65600 | 0.60252 | 0.68326 |
| 19 | 413111 | 0.4135 | 0.58651 | 0.60400 | 0.53333 | 0.63775 |
| 20 | 113131 | 0.4309 | 0.56905 | 0.57600 | 0.47198 | 0.66109 |
| 21 | 224111 | 0.4442 | 0.55579 | 0.53900 | 0.47903 | 0.62998 |
| 22 | 114112 | 0.4458 | 0.55417 | 0.42500 | 0.48555 | 0.62079 |
| 23 | 314111 | 0.4465 | 0.55351 | 0.49100 | 0.49384 | 0.61169 |
| 24 | 313112 | 0.4727 | 0.52733 | 0.45400 | 0.48058 | 0.57360 |
| 25 | 513111 | 0.4733 | 0.52666 | 0.51100 | 0.45369 | 0.59851 |
| 26 | 214112 | 0.5063 | 0.49368 | 0.41600 | 0.44093 | 0.54658 |
| 27 | 414111 | 0.5070 | 0.49302 | 0.54500 | 0.42755 | 0.55872 |
| 28 | 314112 | 0.5666 | 0.43338 | 0.41200 | 0.38657 | 0.48140 |
| 29 | 514111 | 0.5673 | 0.43272 | 0.46700 | 0.35545 | 0.51341 |
| 30 | 214113 | 0.6244 | 0.37561 | 0.25597 | 0.30452 | 0.45249 |
| 31 | 414112 | 0.6250 | 0.37498 | 0.41500 | 0.32259 | 0.43047 |
| 32 | 515311 | 0.6559 | 0.34406 | 0.28200 | 0.24675 | 0.45638 |
| 33 | 314113 | 0.6794 | 0.32059 | 0.31600 | 0.25693 | 0.39183 |
| 34 | 525111 | 0.7072 | 0.29279 | 0.33700 | 0.22583 | 0.37019 |
| 35 | 334231 | 0.7410 | 0.25903 | 0.20899 | 0.16924 | 0.37509 |
| 36 | 535111 | 0.7531 | 0.24694 | 0.28700 | 0.16714 | 0.34862 |
| 37 | 315113 | 0.7557 | 0.24435 | 0.27800 | 0.18847 | 0.31071 |
| 38 | 515431 | 0.8091 | 0.19093 | 0.17902 | 0.11456 | 0.30099 |
| 39 | 415314 | 0.8642 | 0.13576 | 0.18005 | 0.08211 | 0.21602 |
| 40 | 515223 | 0.8822 | 0.11784 | 0.16995 | 0.08211 | 0.16645 |

Table 26. TOW crew individual performance: driver.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.0544 | 0.94558 | 0.94501 | 0.92539 | 0.96053 |
| 2 | 112111 | 0.0683 | 0.93169 | 0.96401 | 0.90888 | 0.94912 |
| 3 | 311111 | 0.0685 | 0.93150 | 0.92601 | 0.90687 | 0.95003 |
| 4 | 111121 | 0.0697 | 0.93028 | 0.97301 | 0.90585 | 0.94868 |
| 5 | 212111 | 0.0856 | 0.91443 | 0.88205 | 0.89321 | 0.93176 |
| 6 | 411111 | 0.0858 | 0.91420 | 0.92301 | 0.87964 | 0.93952 |
| 7 | 113111 | 0.1065 | 0.89350 | 0.91698 | 0.86021 | 0.91961 |
| 8 | 312111 | 0.1068 | 0.89321 | 0.85396 | 0.86898 | 0.91341 |
| 9 | 112121 | 0.1087 | 0.89129 | 0.94799 | 0.86283 | 0.91451 |
| 10 | 111131 | 0.1109 | 0.88914 | 0.78006 | 0.83576 | 0.92663 |
| 11 | 213111 | 0.1322 | 0.86784 | 0.85594 | 0.83916 | 0.89216 |
| 12 | 412111 | 0.1324 | 0.86761 | 0.89302 | 0.83174 | 0.89678 |
| 13 | 123111 | 0.1385 | 0.86152 | 0.87303 | 0.80218 | 0.90508 |
| 14 | 521111 | 0.1392 | 0.86081 | 0.77609 | 0.78381 | 0.91349 |
| 15 | 114111 | 0.1623 | 0.83767 | 0.78600 | 0.77989 | 0.88247 |
| 16 | 313111 | 0.1627 | 0.83726 | 0.90097 | 0.80721 | 0.86354 |
| 17 | 113121 | 0.1655 | 0.83452 | 0.89501 | 0.79117 | 0.87034 |
| 18 | 112131 | 0.1685 | 0.83146 | 0.77101 | 0.76242 | 0.88340 |
| 19 | 413111 | 0.1988 | 0.80123 | 0.82707 | 0.75786 | 0.83849 |
| 20 | 314111 | 0.2401 | 0.75988 | 0.70100 | 0.70504 | 0.80721 |
| 21 | 513111 | 0.2407 | 0.75933 | 0.72900 | 0.69142 | 0.81638 |
| 22 | 113131 | 0.2481 | 0.75194 | 0.75306 | 0.65758 | 0.82721 |
| 23 | 224111 | 0.2503 | 0.74970 | 0.78499 | 0.67618 | 0.81123 |
| 24 | 114112 | 0.2633 | 0.73672 | 0.52800 | 0.66955 | 0.79429 |
| 25 | 313112 | 0.2639 | 0.73614 | 0.64100 | 0.69143 | 0.77643 |
| 26 | 414111 | 0.2875 | 0.71248 | 0.74097 | 0.64531 | 0.77136 |
| 27 | 214112 | 0.3134 | 0.68657 | 0.57400 | 0.63083 | 0.73730 |
| 28 | 514111 | 0.3401 | 0.65995 | 0.70000 | 0.57034 | 0.73943 |
| 29 | 314112 | 0.3683 | 0.63175 | 0.58600 | 0.57761 | 0.68276 |
| 30 | 515311 | 0.3938 | 0.60621 | 0.53000 | 0.47023 | 0.72751 |
| 31 | 414112 | 0.4267 | 0.57330 | 0.58600 | 0.50622 | 0.63778 |
| 32 | 214113 | 0.4571 | 0.54289 | 0.45500 | 0.45019 | 0.63271 |
| 33 | 314113 | 0.5181 | 0.48190 | 0.45500 | 0.39245 | 0.57253 |
| 34 | 525111 | 0.5306 | 0.46941 | 0.46800 | 0.36986 | 0.57146 |
| 35 | 334231 | 0.5835 | 0.41650 | 0.39100 | 0.27491 | 0.57334 |
| 36 | 535111 | 0.6039 | 0.39606 | 0.45700 | 0.26973 | 0.53797 |
| 37 | 515431 | 0.6128 | 0.38725 | 0.34400 | 0.23812 | 0.56093 |
| 38 | 315113 | 0.6361 | 0.36386 | 0.44200 | 0.27948 | 0.45755 |
| 39 | 415314 | 0.7615 | 0.23849 | 0.30100 | 0.13955 | 0.37704 |
| 40 | 515223 | 0.8067 | 0.19325 | 0.31500 | 0.13022 | 0.27715 |

Table 27. TOW crew individual performance: loader.

| | SYMPTOM COMPLEX | PERFORMANCE DEGRADATION | PREDICTED VALUE | ACTUAL VALUE | CONFIDENCE LEVELS LOW 95% | HIGH 95% |
|---|---|---|---|---|---|---|
| 1 | 211111 | 0.1177 | 0.88226 | 0.87599 | 0.84684 | 0.91036 |
| 2 | 111121 | 0.1330 | 0.86704 | 0.93002 | 0.82935 | 0.89743 |
| 3 | 311111 | 0.1464 | 0.85358 | 0.83299 | 0.81169 | 0.88745 |
| 4 | 112111 | 0.1491 | 0.85094 | 0.87203 | 0.81153 | 0.88340 |
| 5 | 411111 | 0.1806 | 0.81936 | 0.78499 | 0.76351 | 0.86436 |
| 6 | 212111 | 0.1838 | 0.81623 | 0.78801 | 0.78074 | 0.84710 |
| 7 | 111131 | 0.1848 | 0.81518 | 0.69900 | 0.74536 | 0.86921 |
| 8 | 112121 | 0.2057 | 0.79429 | 0.85705 | 0.75250 | 0.83076 |
| 9 | 312111 | 0.2244 | 0.77556 | 0.76495 | 0.73711 | 0.80984 |
| 10 | 113111 | 0.2281 | 0.77189 | 0.88205 | 0.71903 | 0.81728 |
| 11 | 521111 | 0.2699 | 0.73010 | 0.68700 | 0.62566 | 0.81412 |
| 12 | 412111 | 0.2712 | 0.72879 | 0.75602 | 0.67572 | 0.77609 |
| 13 | 213111 | 0.2753 | 0.72465 | 0.70300 | 0.68125 | 0.76423 |
| 14 | 112131 | 0.2768 | 0.72323 | 0.62000 | 0.63964 | 0.79364 |
| 15 | 123111 | 0.2782 | 0.72182 | 0.74801 | 0.63835 | 0.79233 |
| 16 | 113121 | 0.3041 | 0.69594 | 0.82405 | 0.63884 | 0.74763 |
| 17 | 313111 | 0.3282 | 0.67181 | 0.73000 | 0.62954 | 0.71148 |
| 18 | 114111 | 0.3328 | 0.66721 | 0.55800 | 0.58835 | 0.73769 |
| 19 | 413111 | 0.3858 | 0.61423 | 0.68600 | 0.55901 | 0.66666 |
| 20 | 113131 | 0.3924 | 0.60759 | 0.62800 | 0.50637 | 0.70034 |
| 21 | 513111 | 0.4467 | 0.55326 | 0.56700 | 0.47632 | 0.62774 |
| 22 | 314111 | 0.4519 | 0.54811 | 0.50100 | 0.48508 | 0.60964 |
| 23 | 224111 | 0.4554 | 0.54461 | 0.60600 | 0.46353 | 0.62338 |
| 24 | 313112 | 0.4765 | 0.52351 | 0.44600 | 0.47418 | 0.57239 |
| 25 | 114112 | 0.4817 | 0.51832 | 0.34400 | 0.44590 | 0.58998 |
| 26 | 414111 | 0.5146 | 0.48545 | 0.52500 | 0.41661 | 0.55484 |
| 27 | 214112 | 0.5444 | 0.45563 | 0.37700 | 0.40088 | 0.51147 |
| 28 | 514111 | 0.5768 | 0.42324 | 0.46800 | 0.34258 | 0.50821 |
| 29 | 314112 | 0.6057 | 0.39431 | 0.39700 | 0.34670 | 0.44402 |
| 30 | 414112 | 0.6638 | 0.33615 | 0.39800 | 0.28410 | 0.39252 |
| 31 | 515311 | 0.6722 | 0.32780 | 0.23505 | 0.22899 | 0.44475 |
| 32 | 214113 | 0.6900 | 0.30998 | 0.19093 | 0.24324 | 0.38578 |
| 33 | 314113 | 0.7410 | 0.25903 | 0.20702 | 0.20101 | 0.32676 |
| 34 | 334231 | 0.7431 | 0.25693 | 0.25105 | 0.16356 | 0.37943 |
| 35 | 525111 | 0.7499 | 0.25011 | 0.17393 | 0.18725 | 0.32554 |
| 36 | 535111 | 0.7964 | 0.20359 | 0.23308 | 0.13227 | 0.30022 |
| 37 | 515431 | 0.8089 | 0.19108 | 0.16798 | 0.11135 | 0.30828 |
| 38 | 315113 | 0.8285 | 0.17150 | 0.21199 | 0.12731 | 0.22706 |
| 39 | 415314 | 0.9117 | 0.08835 | 0.13000 | 0.05083 | 0.14931 |
| 40 | 515223 | 0.9177 | 0.08234 | 0.13599 | 0.05546 | 0.12057 |

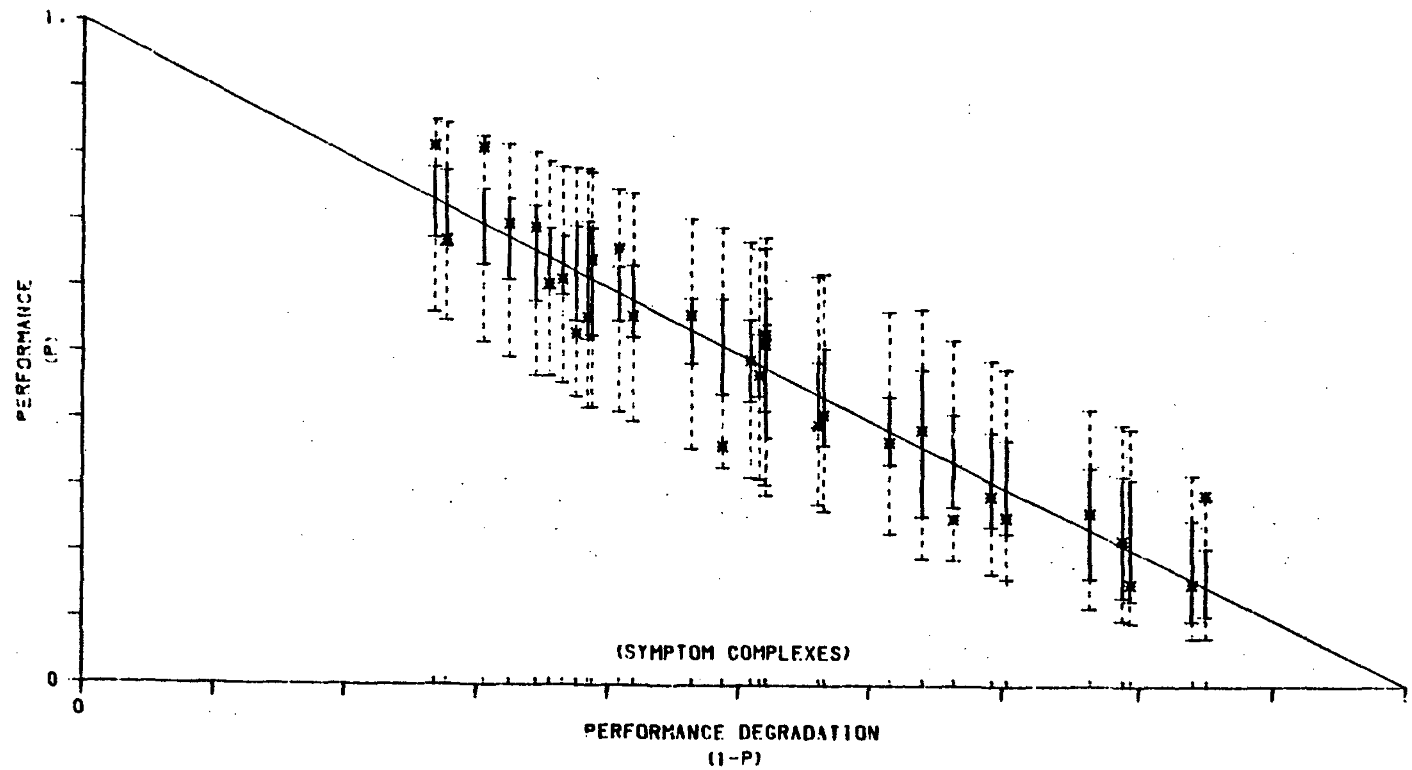



Figure 17. Gun crew individual performance: chief of section.

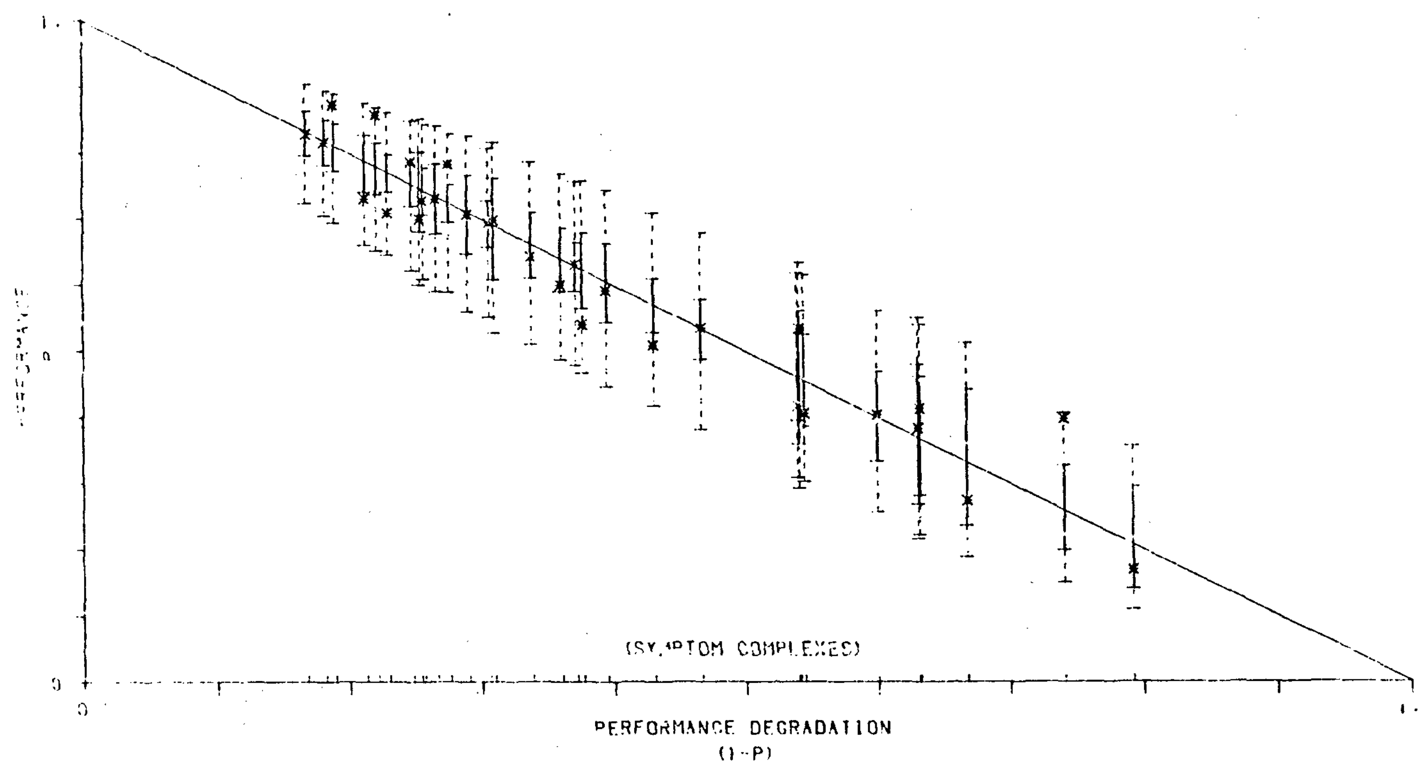



Figure 18. Gun crew individual performance: gunner.

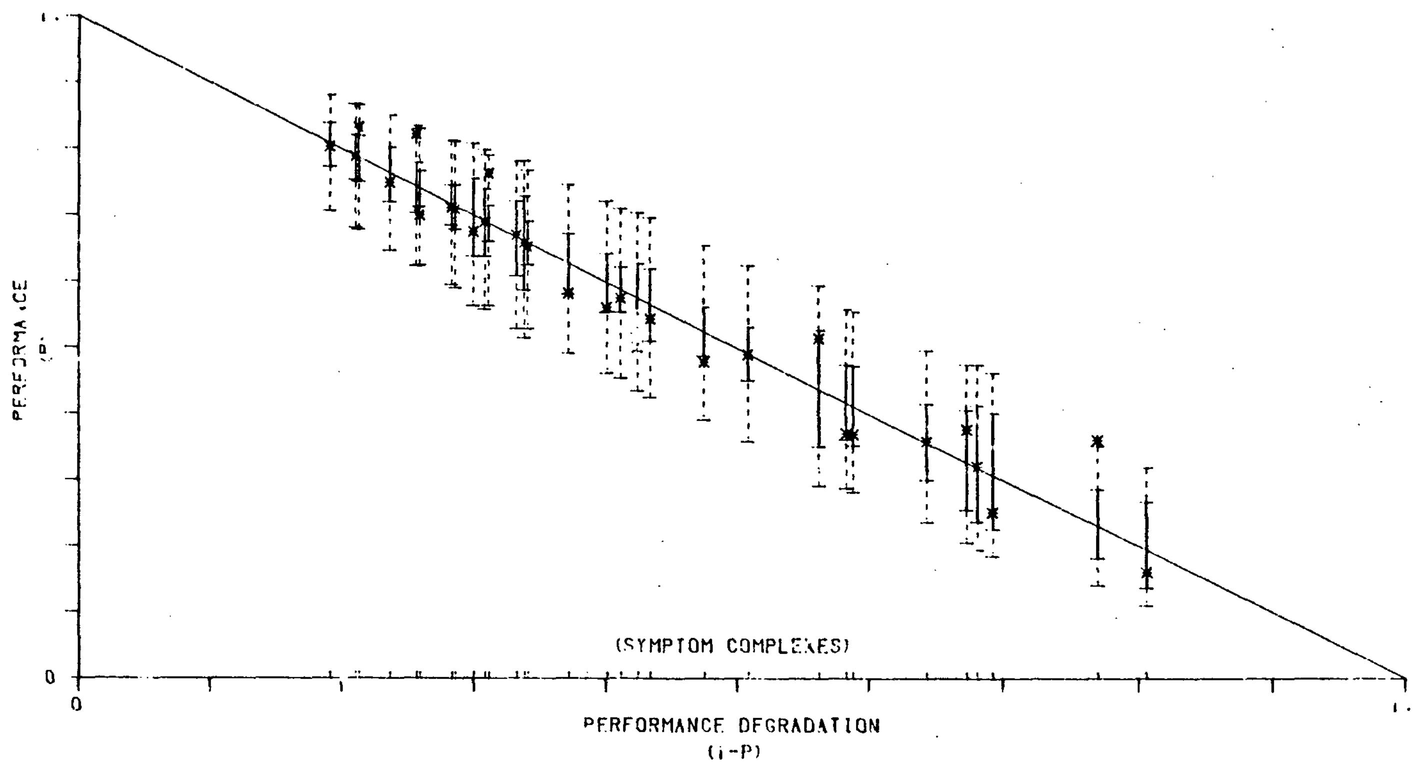



Figure 19. Gun crew individual performance: assistant gunner.

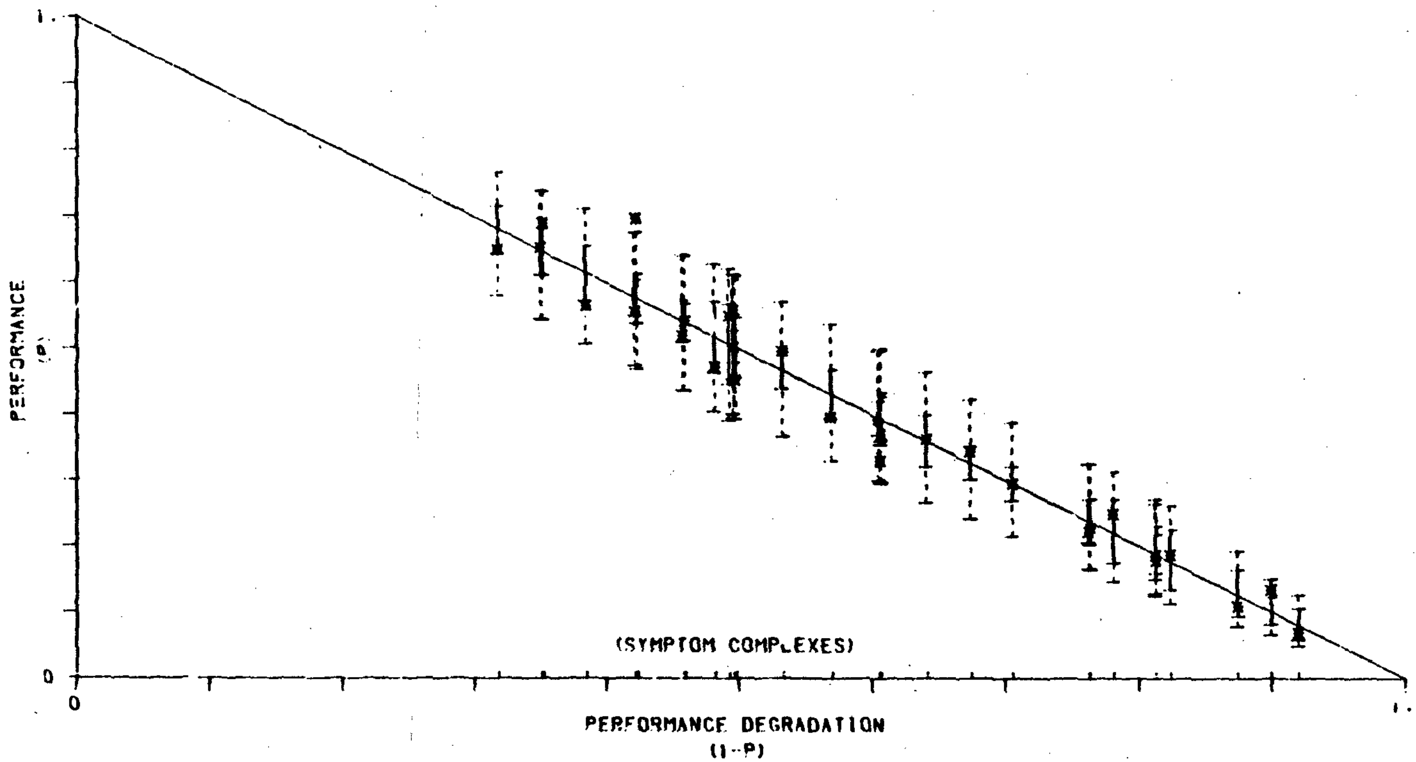



Figure 20. Gun crew individual performance: loader.

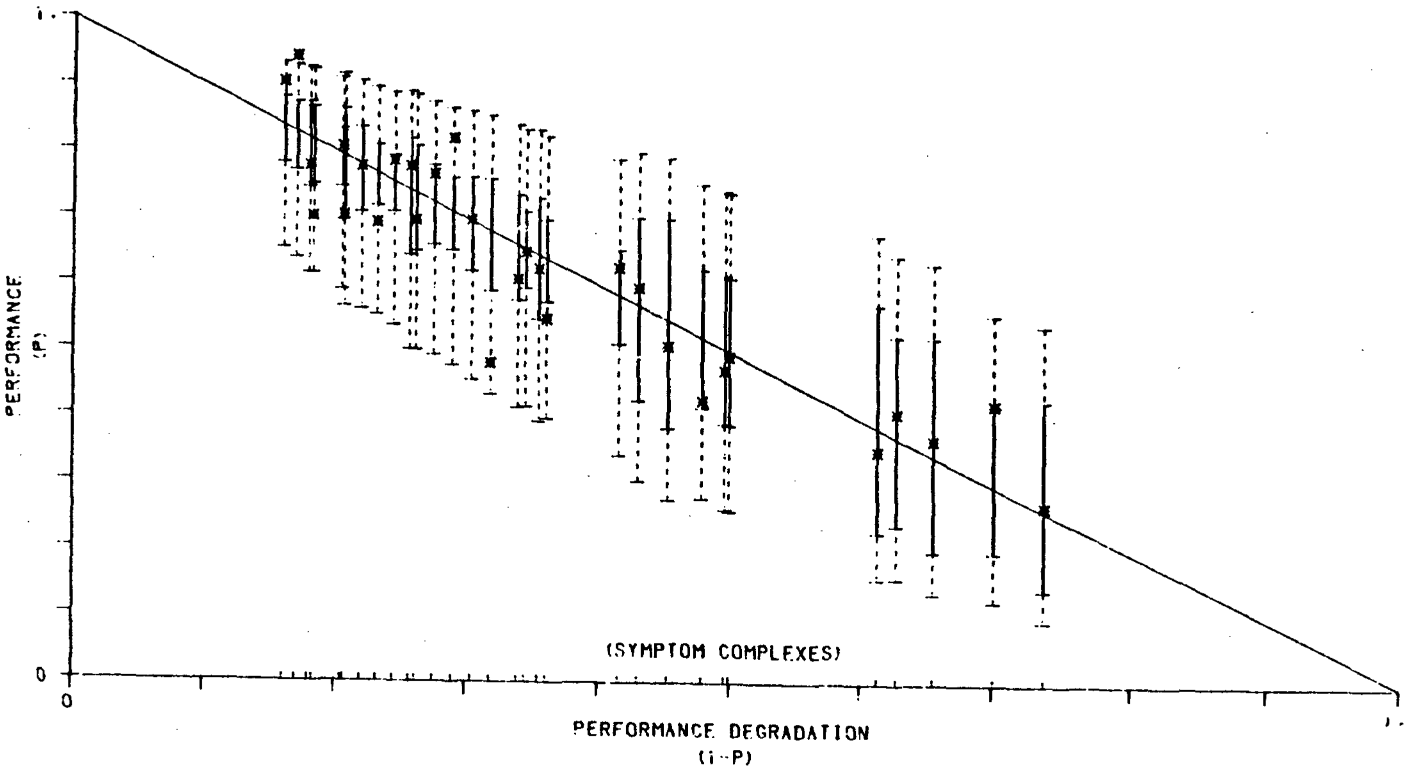



Figure 21. FDC crew individual performance: fire direction officer.

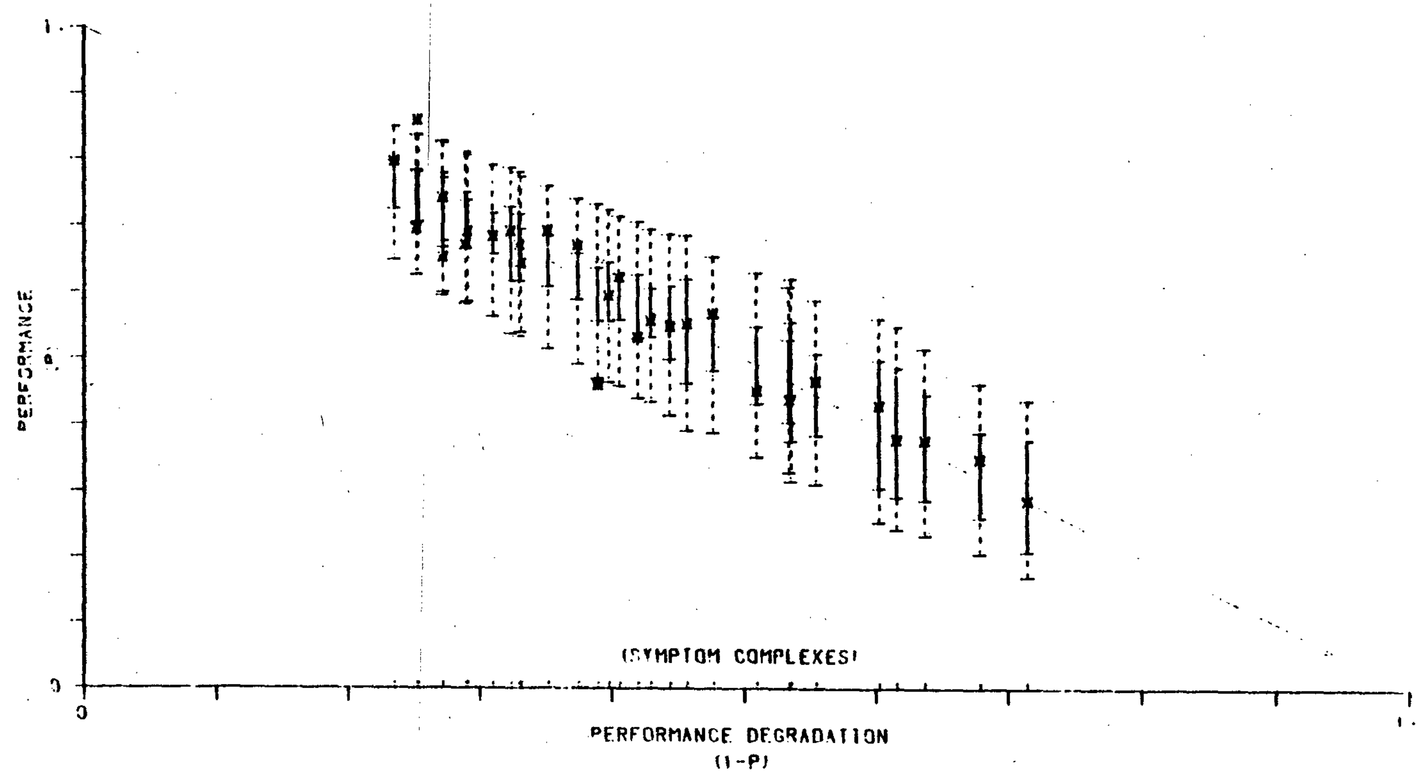



Figure 22. FDC crew individual performance: horizontal control operator.

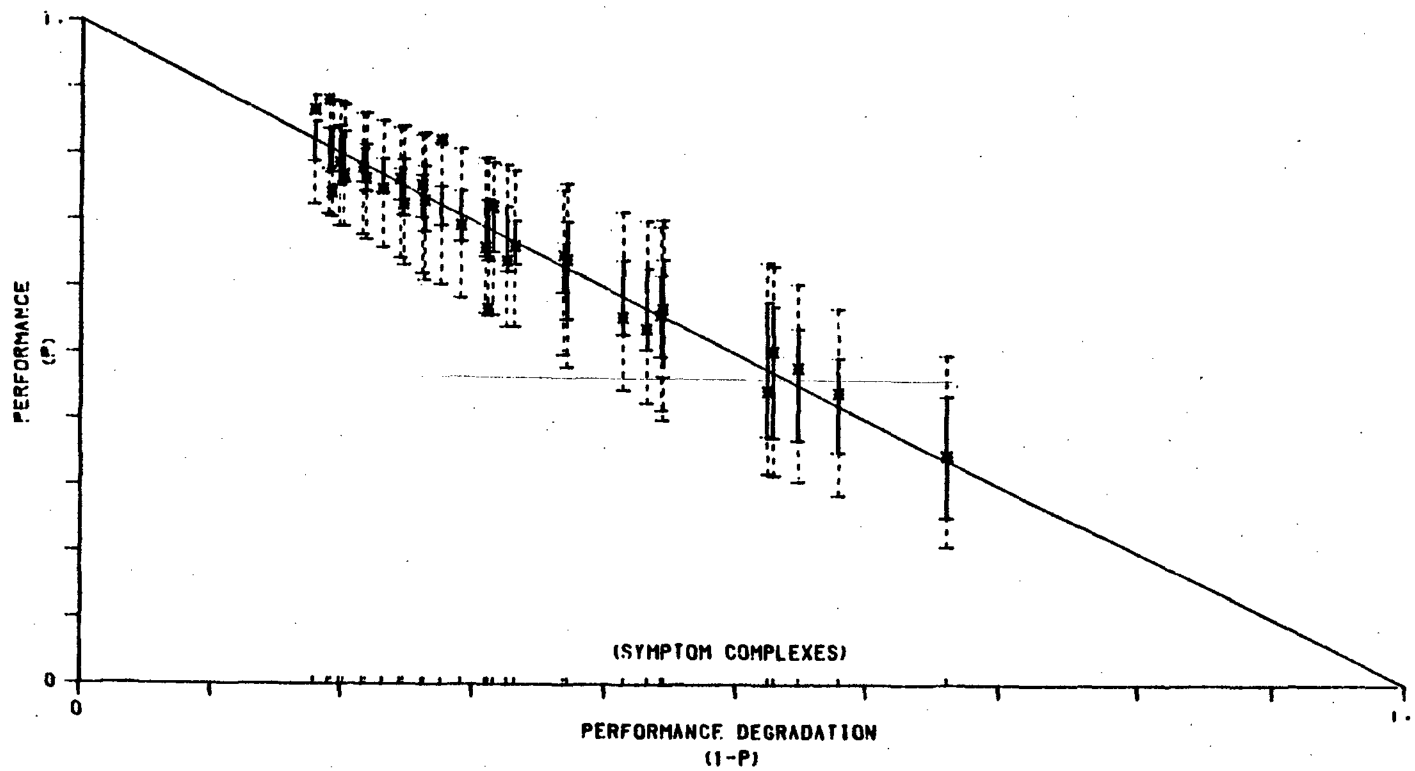



Figure 23. FDC crew individual performance: computer.

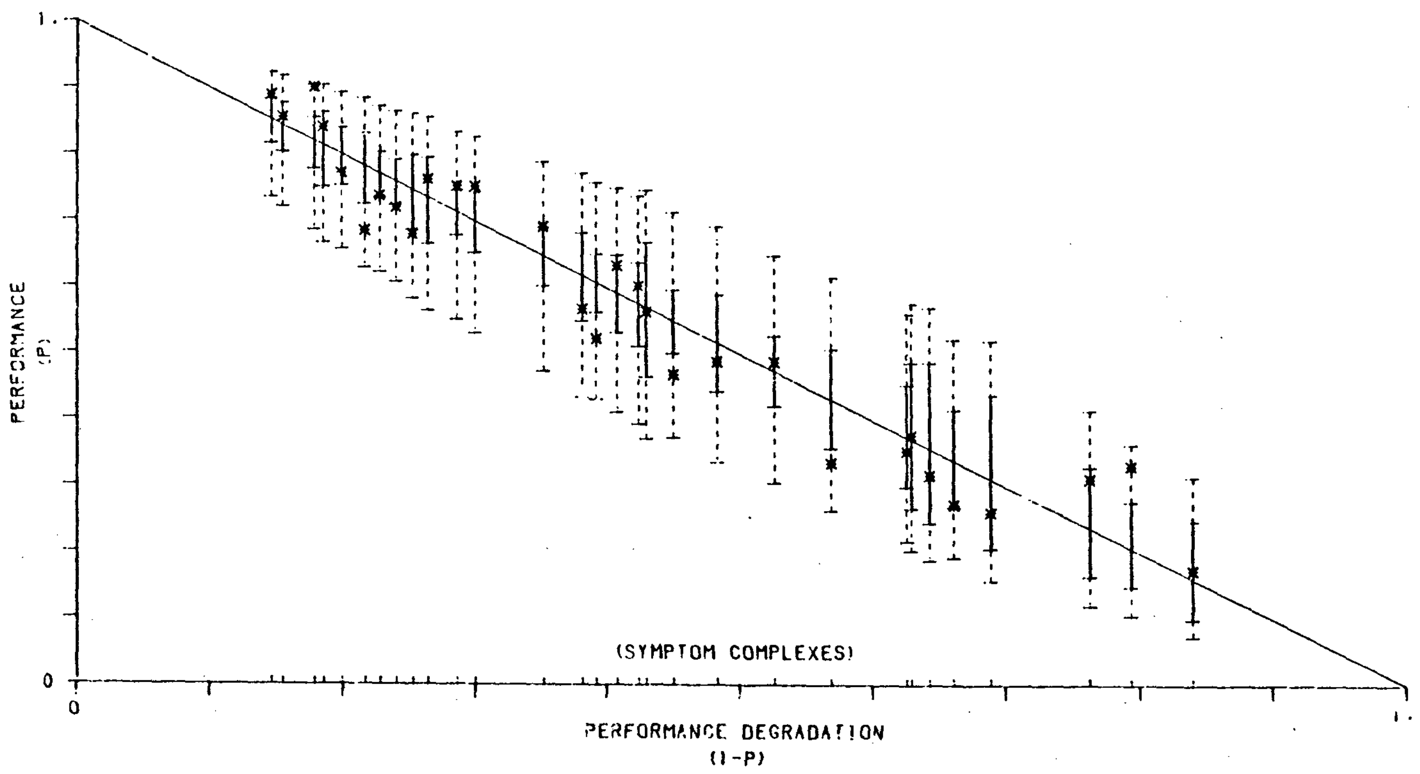



Figure 24. Tank crew individual performance: tank commander.

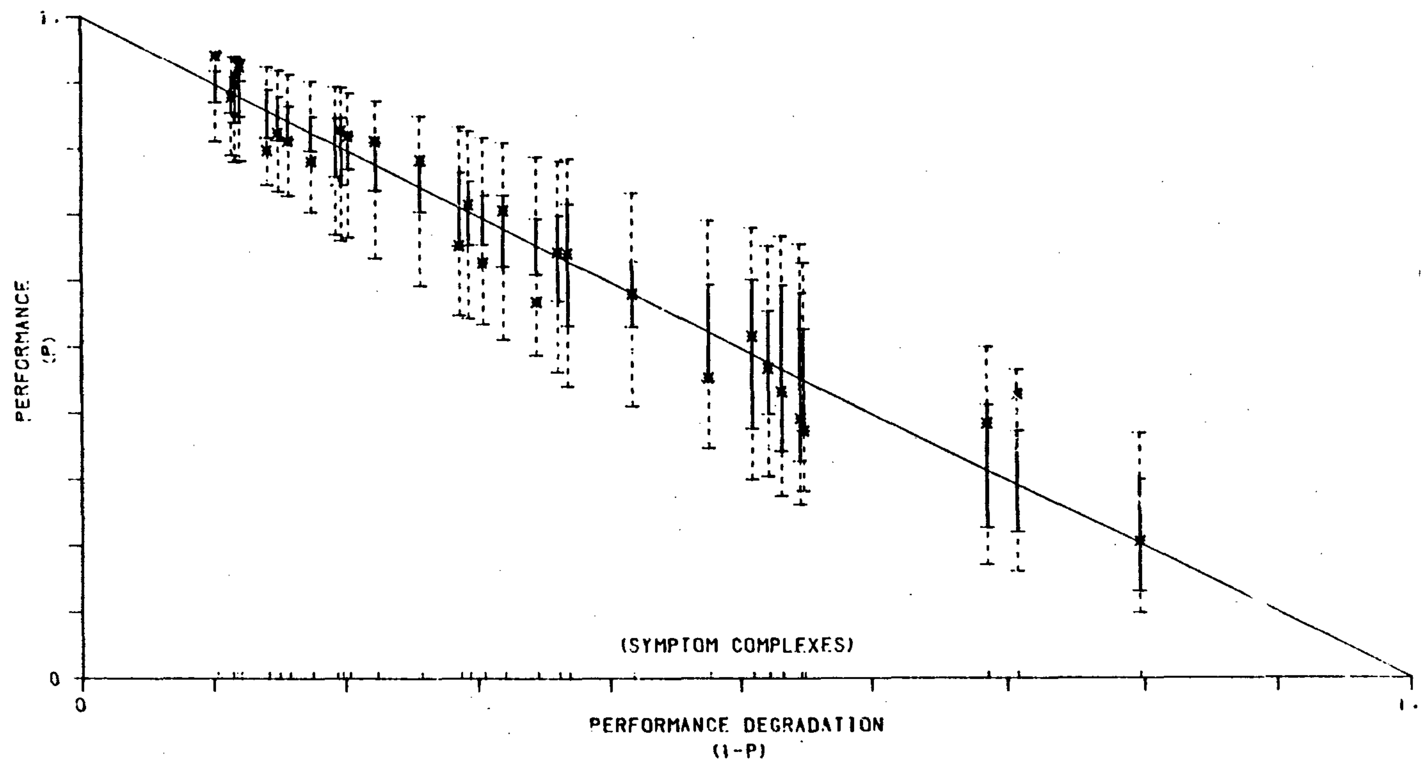



Figure 25. Tank crew individual performance: gunner.

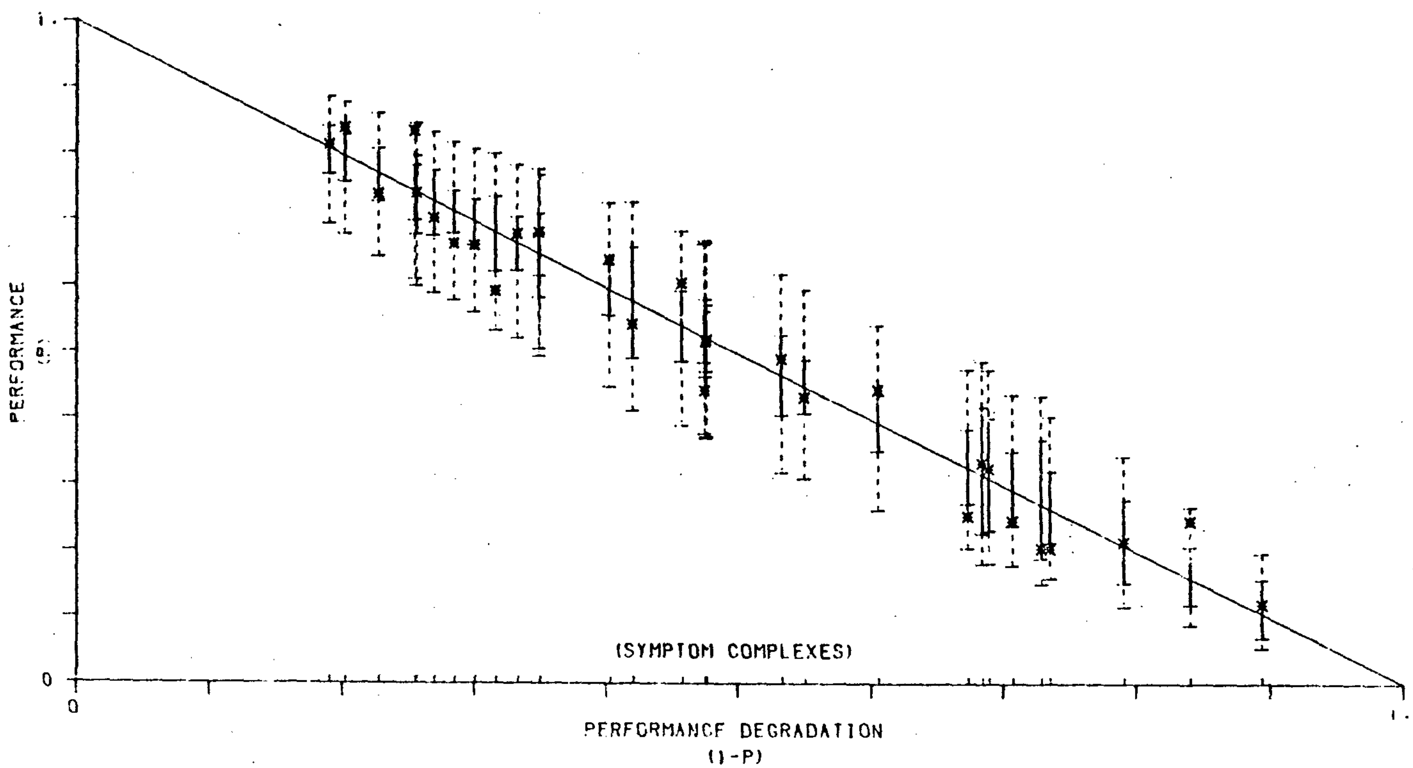



Figure 26. Tank crew individual performance: loader.

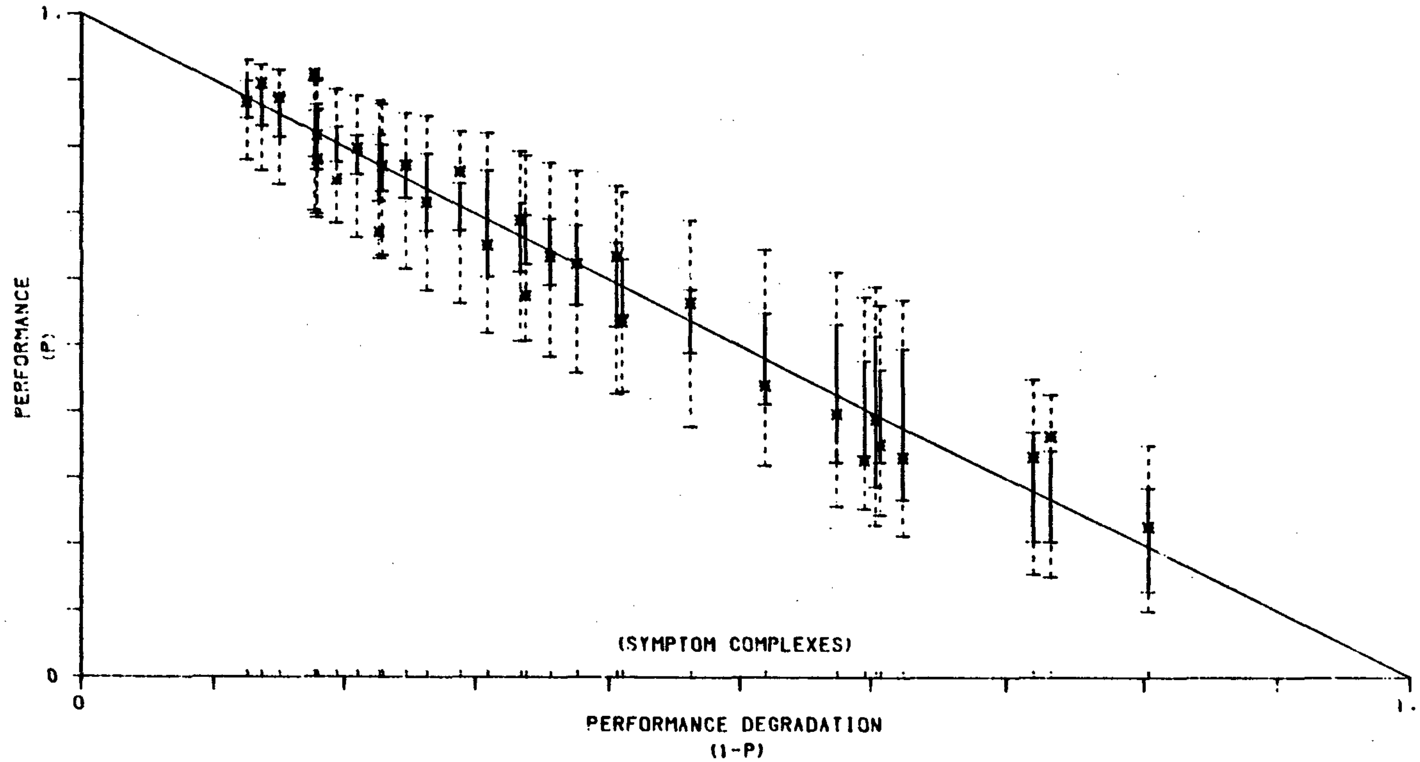



Figure 27. Tank crew individual performance: driver.

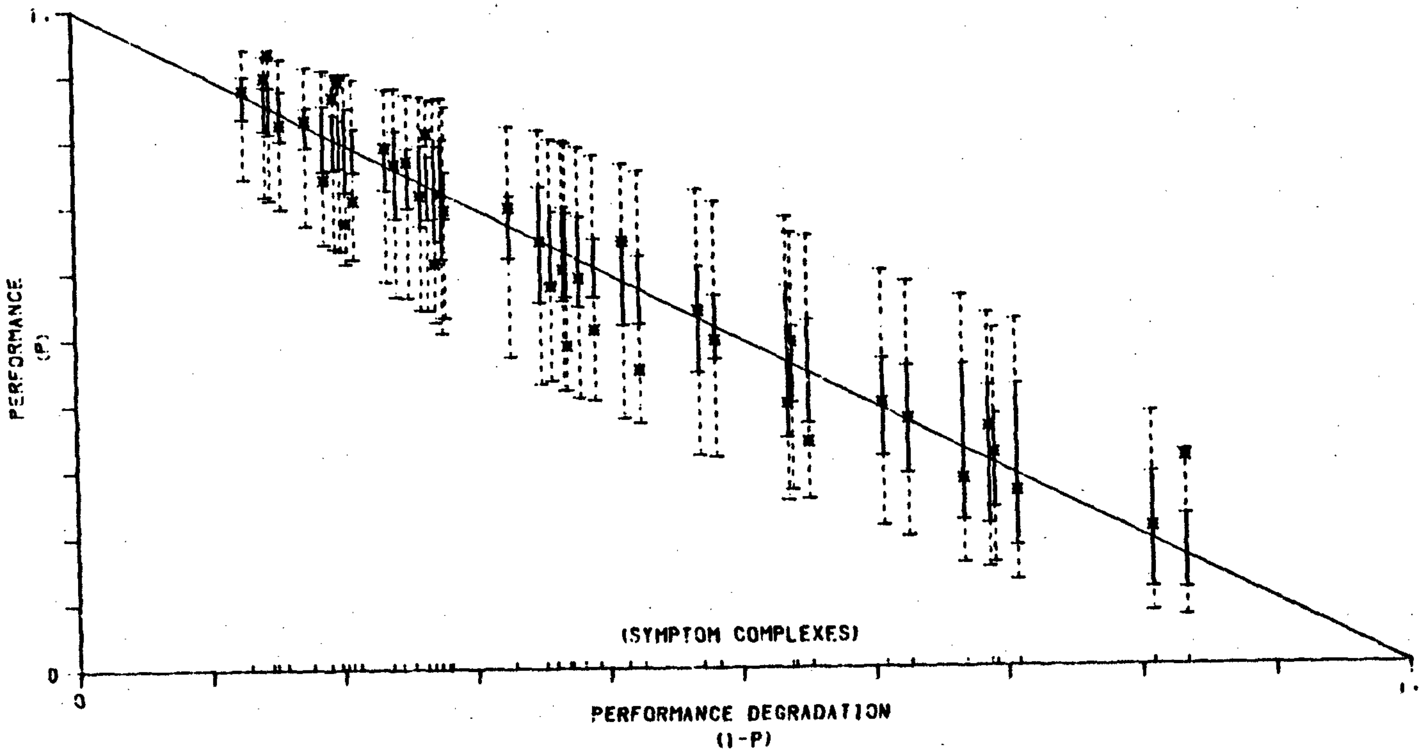



Figure 28. TOW crew individual performance: squad leader.

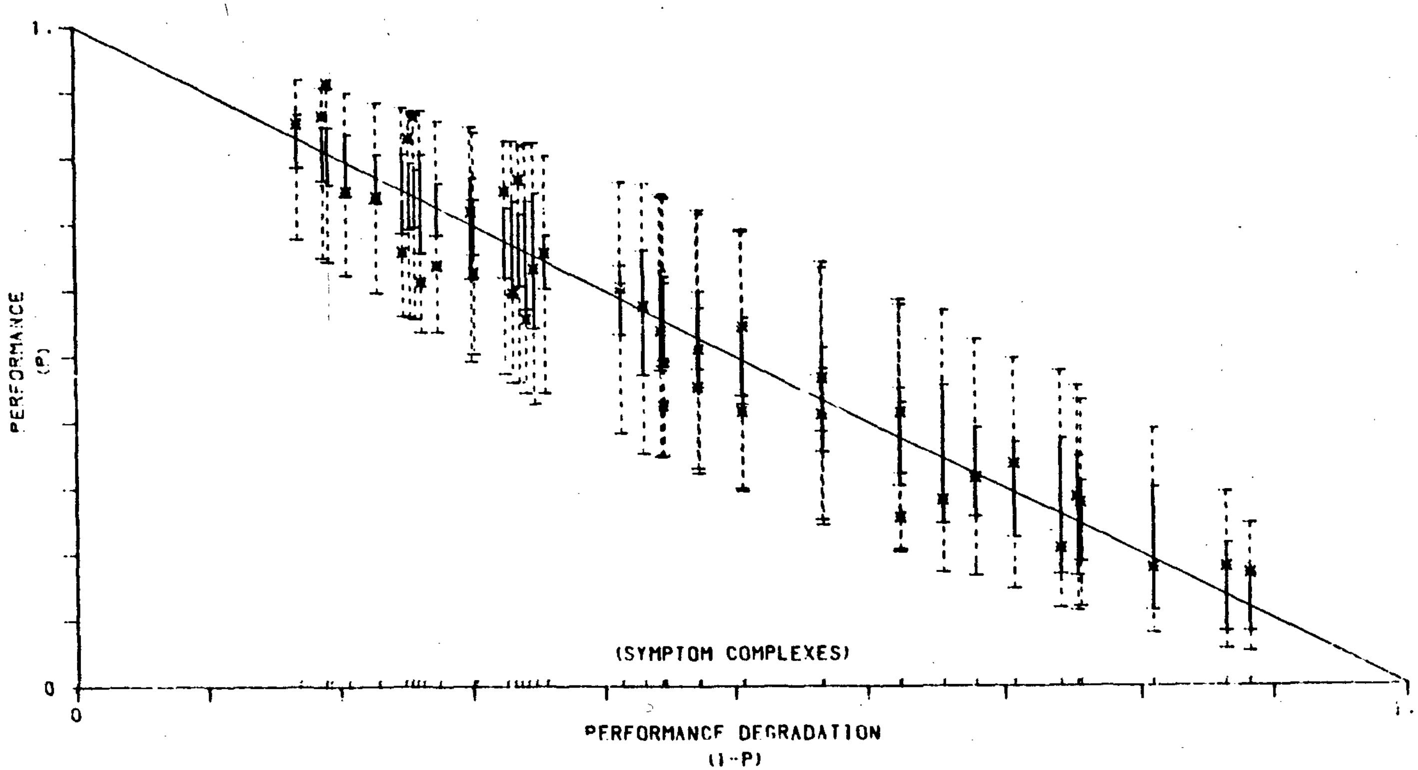



Figure 29. TOW crew individual performance: gunner.

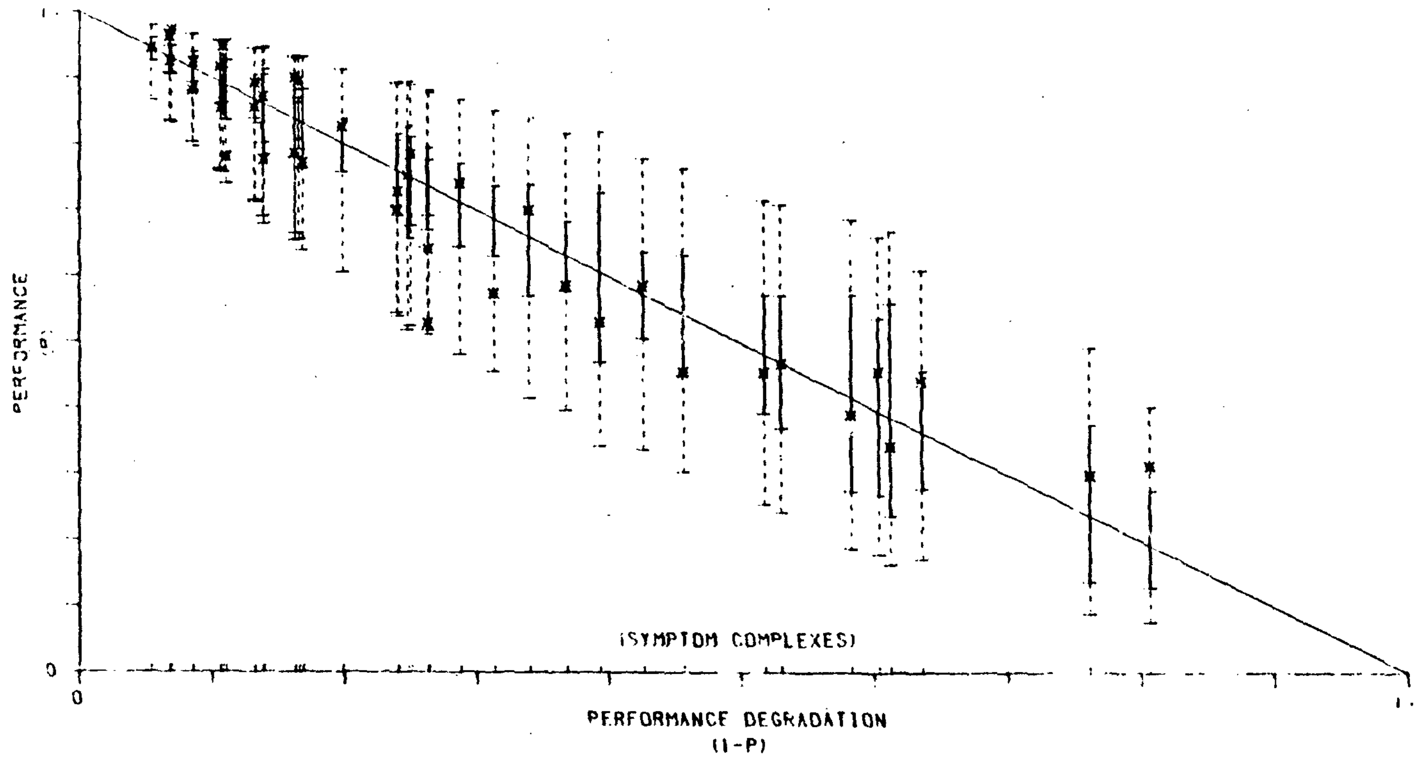



Figure 30. TOW crew individual performance: driver.

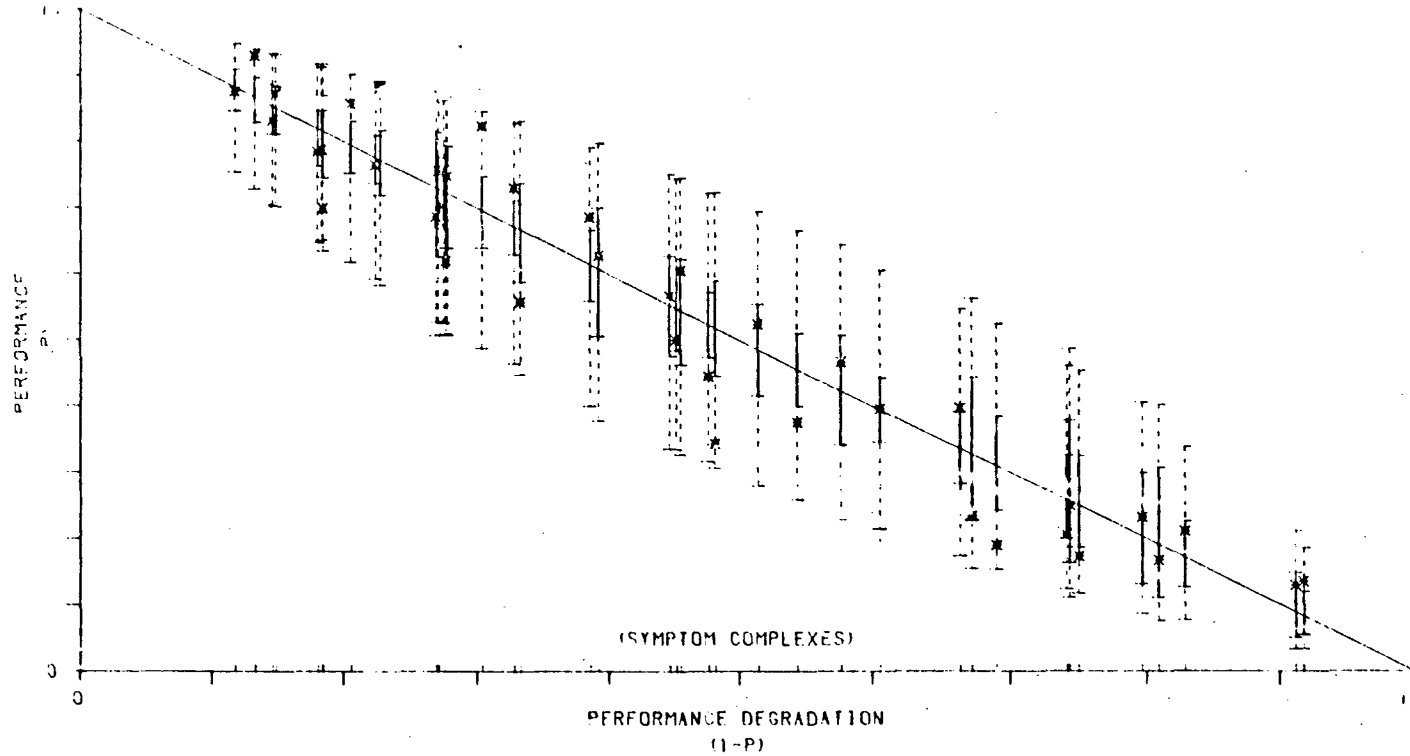



Figure 31. TOW crew individual performance: loader.

The performance plots indicate relative trends for each crew position such as tendencies toward high, low, and middle of clustering responses along the straight line. High and low clustering would indicate skewed distributions, and those tending to cluster toward the middle may indicate a more symmetric distribution. The lowest estimates of performance are provided for the artillery gun crew loader, whose tasks are probably the most physically demanding. On the other hand, the highest estimates of performance are provided for the FDC crew computer position, whose activity is the least physically demanding, consisting wholly of cognitive tasks. Some crewmembers show a near-threshold-like effect even for the most benign symptom complexes where performance drops from 100 to between 70 and 80 percent.

Also noteworthy are the relative widths of the error bar patterns. For example, the gun crew loader plot also shows the narrowest error bar widths, indicating the most consistency in the response data. On the other hand, the fire direction officer plot shows perhaps the widest error bar spread, indicating a relative lack of consistency in the response data.

Differences between input data and regression prediction performance values are seen to occur more frequently for symptom complexes 112111, 113111, 224111, and 515223. Table 28 lists those cases, termed outliers, where the data values lie outside the 95 percent confidence limits of the regression mean value predictions. Data values for complexes 112111 and 113111 are consistently higher than the regression values. Moreover, data values for symptom complex 113111 are consistently, although only slightly higher, than complex 112111. Based on our evaluation of the data (Sec. 2) and this analysis, we are unable to positively explain those differences. However, we point out that the regression analysis served to predict performance for symptom complexes 112111 and 113111 in the order that one would expect, i.e., a lower value of performance for 113111 than for 112111.

In Figs. 17 through 23, symptom complex 224111, for the artillery gun, and FDC crews, is associated with lower values from the data relative to the regression values, whereas symptom complex 515223 is associated with substantially higher values. We are also unable to explain

Table 28. Significant outliers: percentage variation of performance data prediction relative to regression performance prediction.

| Crew | Crewmember | Symptom Complex[a] 112111 | 113111 | 224111[b] | 515223[b] | Performance Data Difference between 224111 and 515223 |
|---|---|---|---|---|---|---|
| Gun | Chief of section | 11.0 | 14.0 | -29 (0.36) | 92 (0.29) | 0.07 |
| | Gunner | -- | 10.0 | -13 (0.54) | 54 (0.40) | 0.14 |
| | Assistant gunner | -- | -- | 13 (0.50) | 57 (0.36) | 0.14 |
| | Loader | 6.6[c] | 21.0 | -16 (0.33) | 33[c] (0.13) | 0.20 |
| FDC | Fire direction officer | 7.9 | 14.0 | -29 (0.48) | 41[c] (0.42) | 0.06 |
| | Horizontal control operator | 13.0 | 29.0 | -44 (0.23) | -- (0.22) | 0.01 |
| | Computer | 5.6 | 8.9 | -17 (0.57) | -- (0.44) | 0.13 |
| Tank | Commander | 4.3 | 9.9 | -- (0.57) | 61 (0.33) | 0.24 |
| | Gunner | 5.0 | 5.2[c] | -- (0.66) | 47 (0.43) | 0.23 |
| | Loader | 5.5[c] | 12.0 | -- (0.52) | 55 (0.25) | 0.27 |
| | Driver | 3.8 | 11.0 | -- (0.62) | 36 (0.36) | 0.26 |
| TOW | Squad leader | 5.2[c] | 8.1 | -- (0.61) | 91 (0.32) | 0.29 |
| | Gunner | 6.6[c] | 11.0 | -- (0.54) | 44[c] (0.17) | 0.34 |
| | Driver | 3.5 | 8.9[c] | -- (0.78) | 63 (0.32) | 0.45 |
| | Loader | -- | 14.0 | -- (0.61) | 65[c] (0.14) | 0.47 |

[a]Negative values indicate data values less than regression values.

[b]Data predictions are in parentheses.

[c]Indicates near upper 95 percent confidence limit.

these differences based on the treatment of the data. However, we do observe that the spread (given in the last column of Table 28) in data performance values between complexes 224111 and 515223 given for the gun and FDC crews (parenthetical values in Table 28) appears narrow given the differences in the severity levels of the two complexes. A wider spread in values as predicted by the regression relationship seems more reasonable considering the two complexes.

In addition to the crewmember positions, regression analyses were performed for the separate tasks under each crew position, using the task response data given in Appendix E. Results of predicted task performance are graphically compared with predicted position performance in Appendix G. The regression parameters for task performance prediction are also listed in tables given in Appendix G.

The regression analysis described in this section serves to develop performance input data for further extending individual crewmember performance to dose and time based on the numerical procedures described in Sec. 5. After improvements were made to the army questionnaire raw data discussed in Sec. 2, performance data were analyzed and prepared for mapping onto the dose/time framework developed in Sec. 4. Section 5 then describes the process of joining the individual crewmember performance data with the dose and time variables to develop the performance dose/time relationships.

## SECTION 4

## DOSE/TIME SYMPTOM COMPLEXES

In this section, we build a framework for expressing the performance prediction estimates of Sec. 3 as a function of dose and time. Using time-dependent symptom profiles, a dose/time structure is developed, which consists of discrete regions that represent the various symptom complexes. From the symptomatology descriptions of the acute radiation syndromes in humans (developed from actual case experience of irradiated individuals [Baum et al., 1983]), time-dependent profiles are constructed to typify the symptom severity for each of eight subdivisions of the intermediate dose range [75 to 4500 rads (cGy)*] [Anno and Wilson, 1983]. Time boundaries are assigned to the symptom complexes according to symptom severity level. Finally, the symptom complex areas are joined for each of the eight dose ranges--according to dose--to form a dose/time map of symptom complexes.

Figures 32 through 39 plot symptom severity level against the logarithm of postexposure time for each of eight free-in-air dose ranges [75-150, 150-300, 300-530, 530-830, 830-1100, 1100-1500, 1500-3000, and 3000-4500 rads (cGy)] for the six symptom categories developed in Baum et al. [1983]; those categories are as follows:

1. Upper gastrointestinal distress (UG).
2. Lower gastrointestinal distress (LG).
3. Fatigability and weakness (FW).
4. Hypotension (HY).
5. Infection, bleeding, and fever (IB).
6. Fluid loss and electrolyte imbalance (FL).

The severity profiles developed in Anno and Wilson [1983] for each of the six symptom categories are represented in the figures by the "curves" formed by the connected sloping and parallel straight lines. The curves are also shown as step functions where vertical lines connect

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*One centigray (cGy) is equal to one rad.

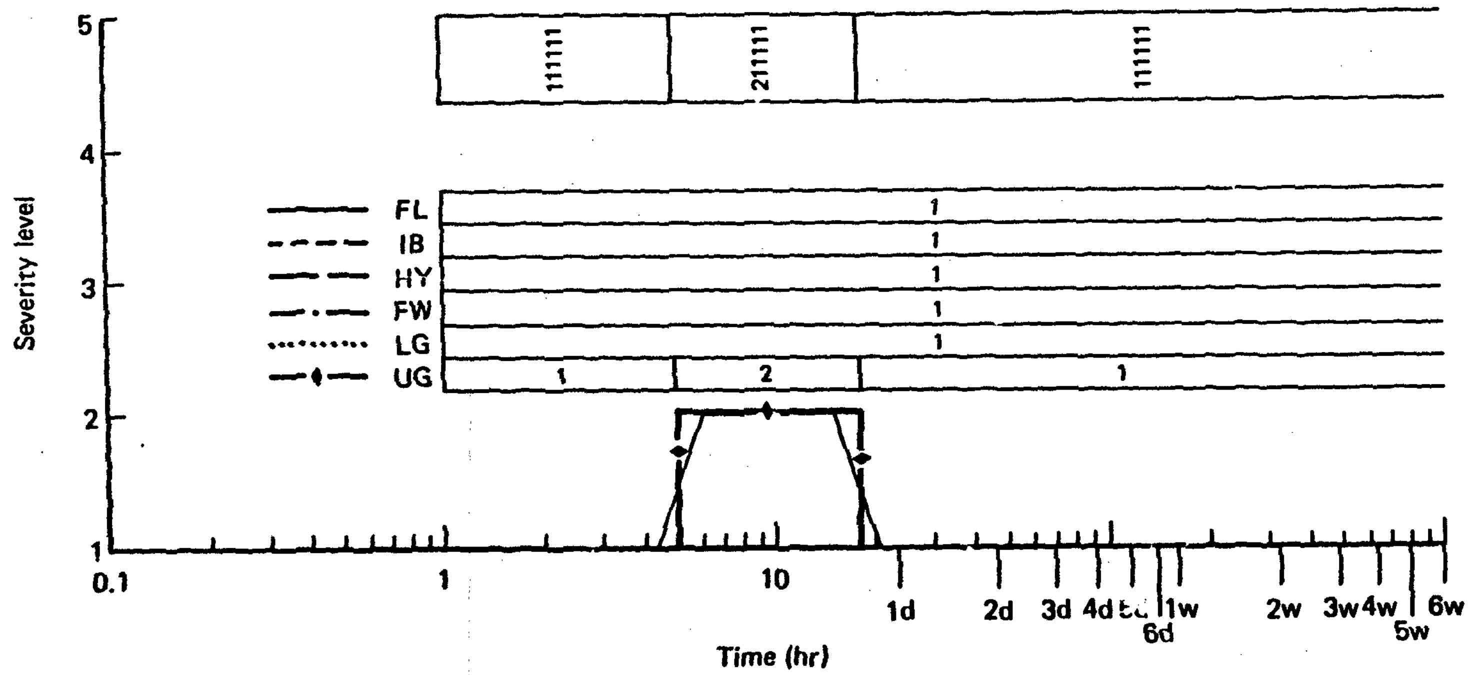



Figure 32. Symptom severity level: 75 to 150 rads (cGy) free-in-air dose.

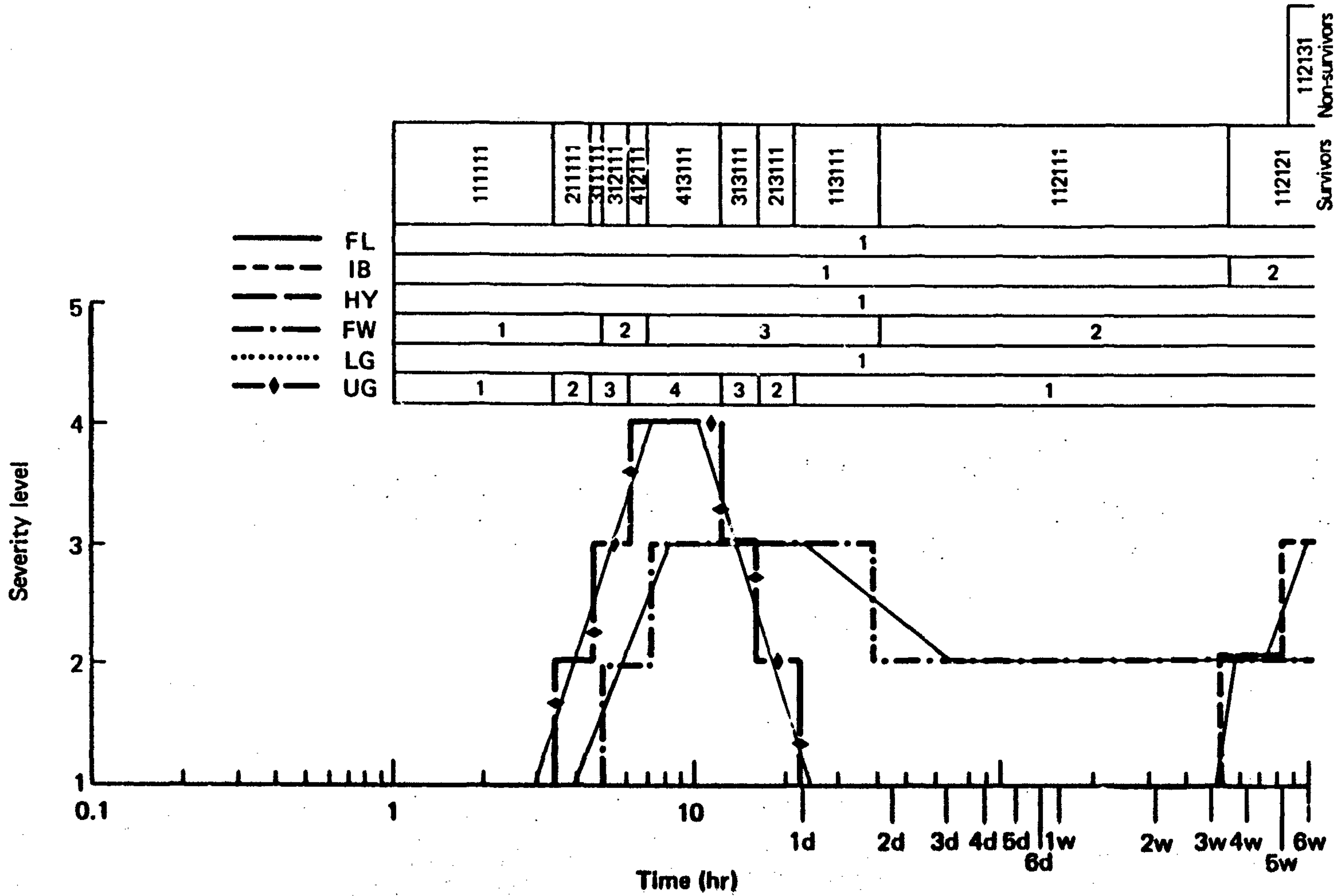



Figure 33. Symptom severity level: 150 to 300 rads (cGy) free-in-air dose.

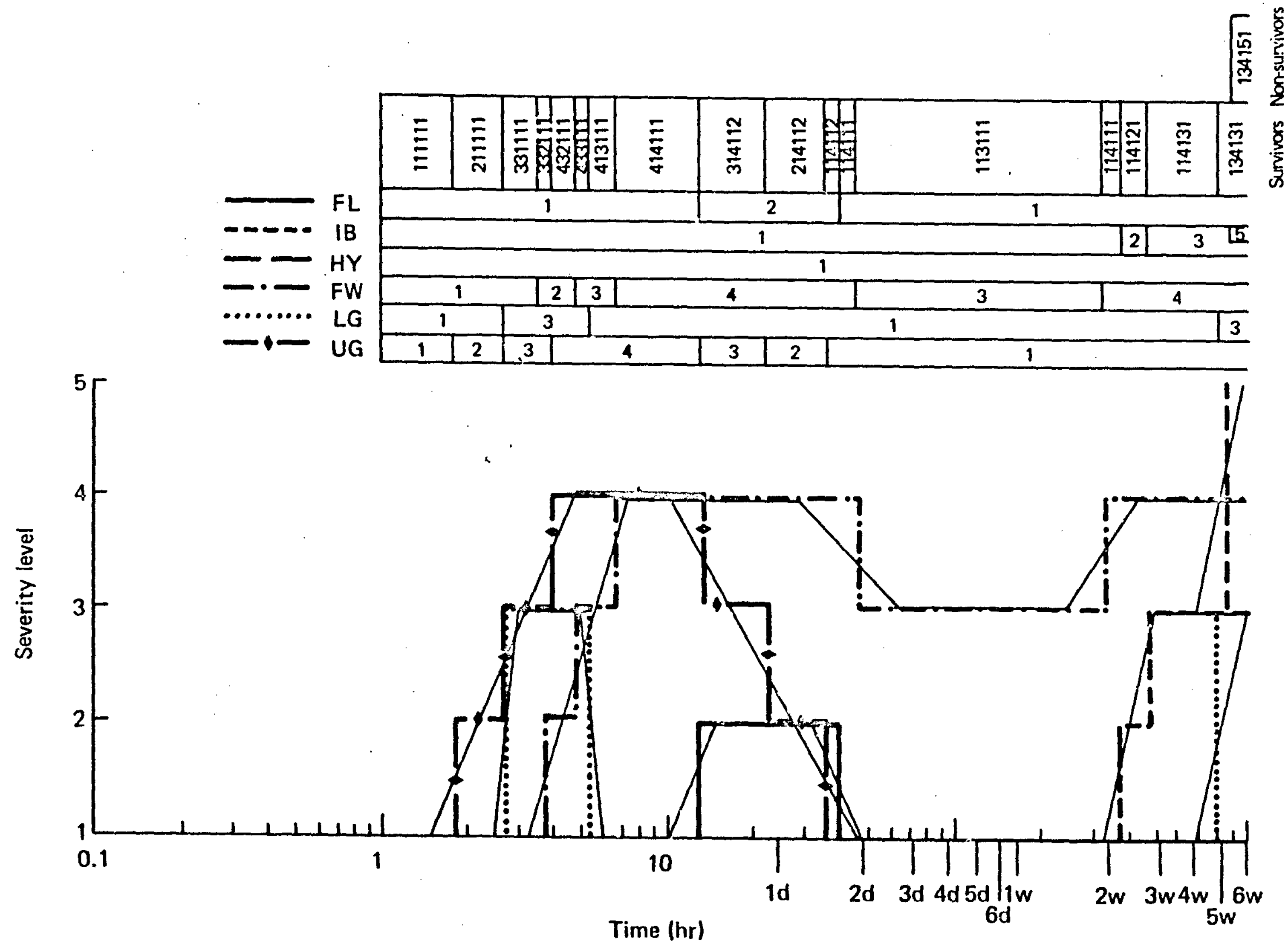



Figure 34. Symptom severity level: 300 to 530 rads (cGy) free-in-air dose.

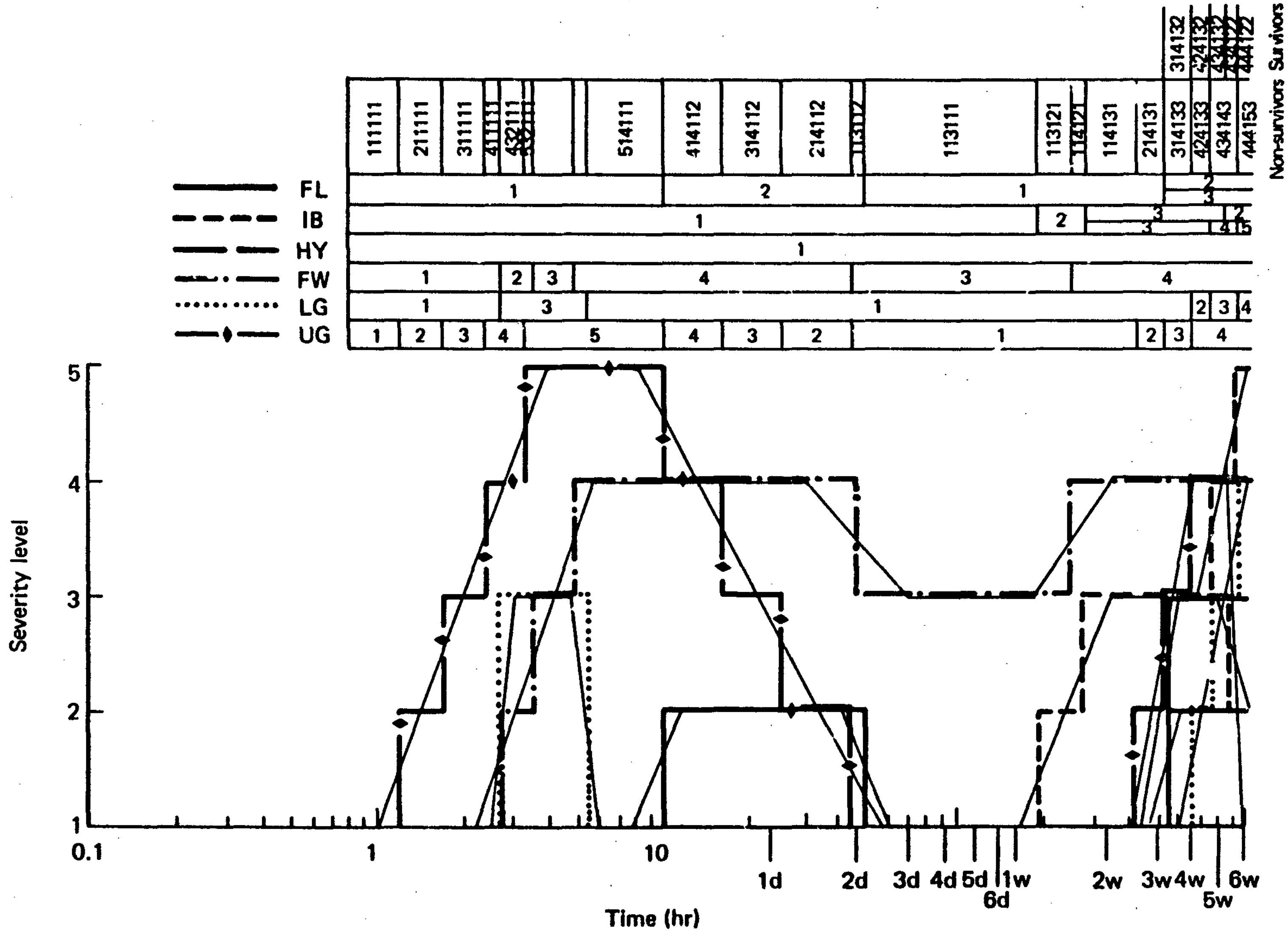



Figure 35. Symptom severity level: 530 to 830 rads (cGy) free-in-air dose.

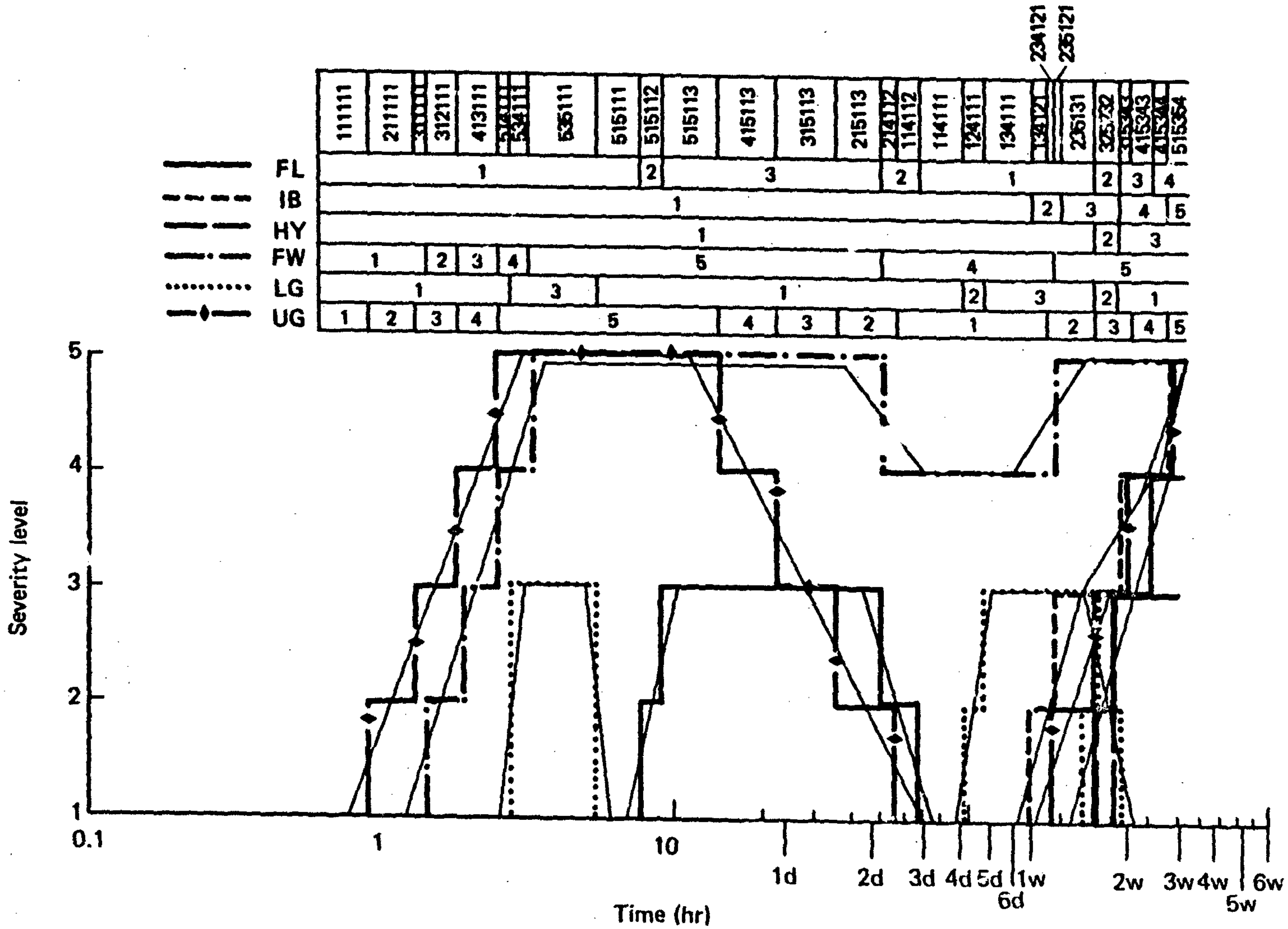



Figure 36. Symptom severity level: 830 to 1100 rads (cGy) free-in-air dose.

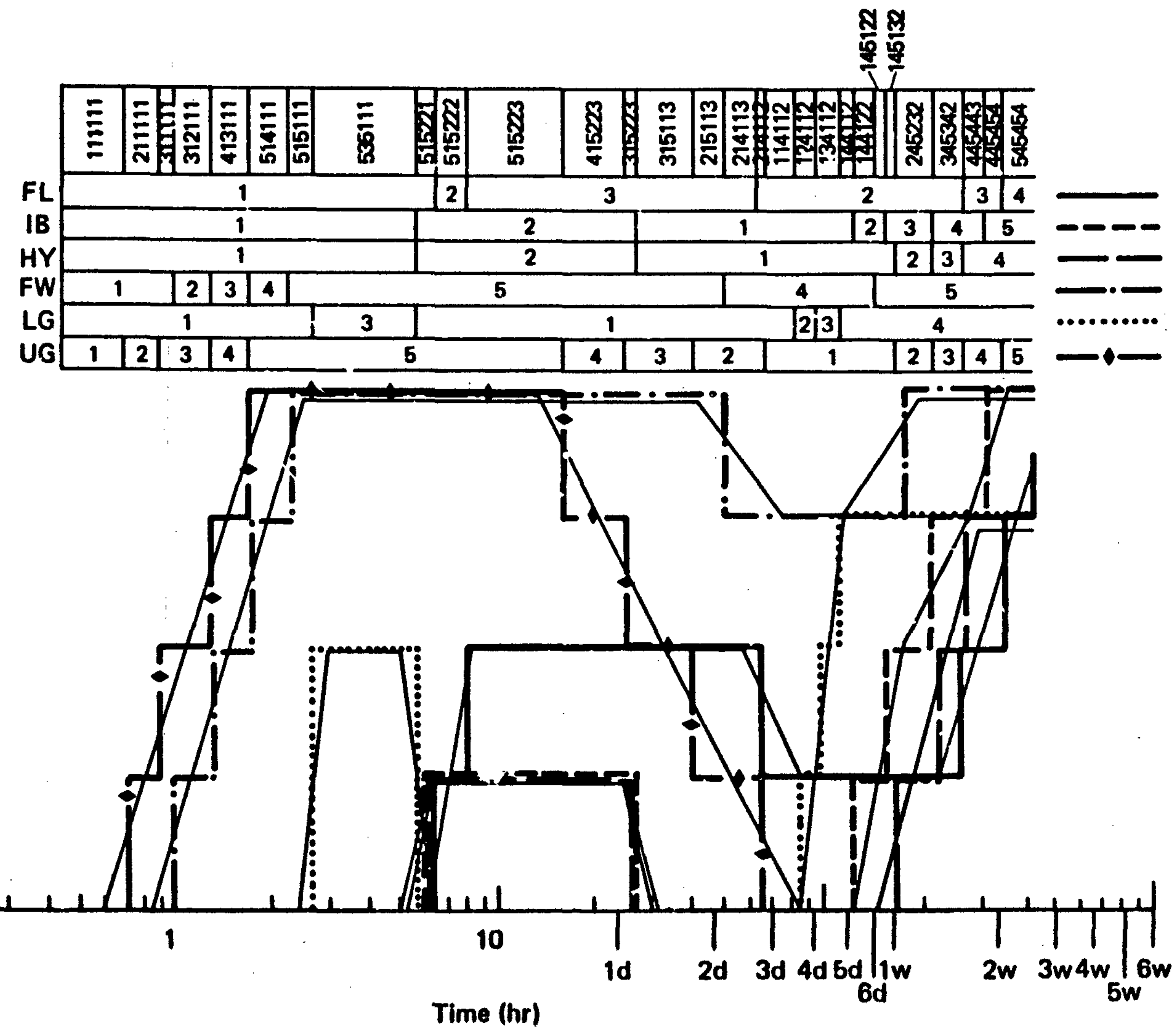



Figure 37. Symptom severity level: 1100 to 1500 rads (cGy) free-in-air dose.

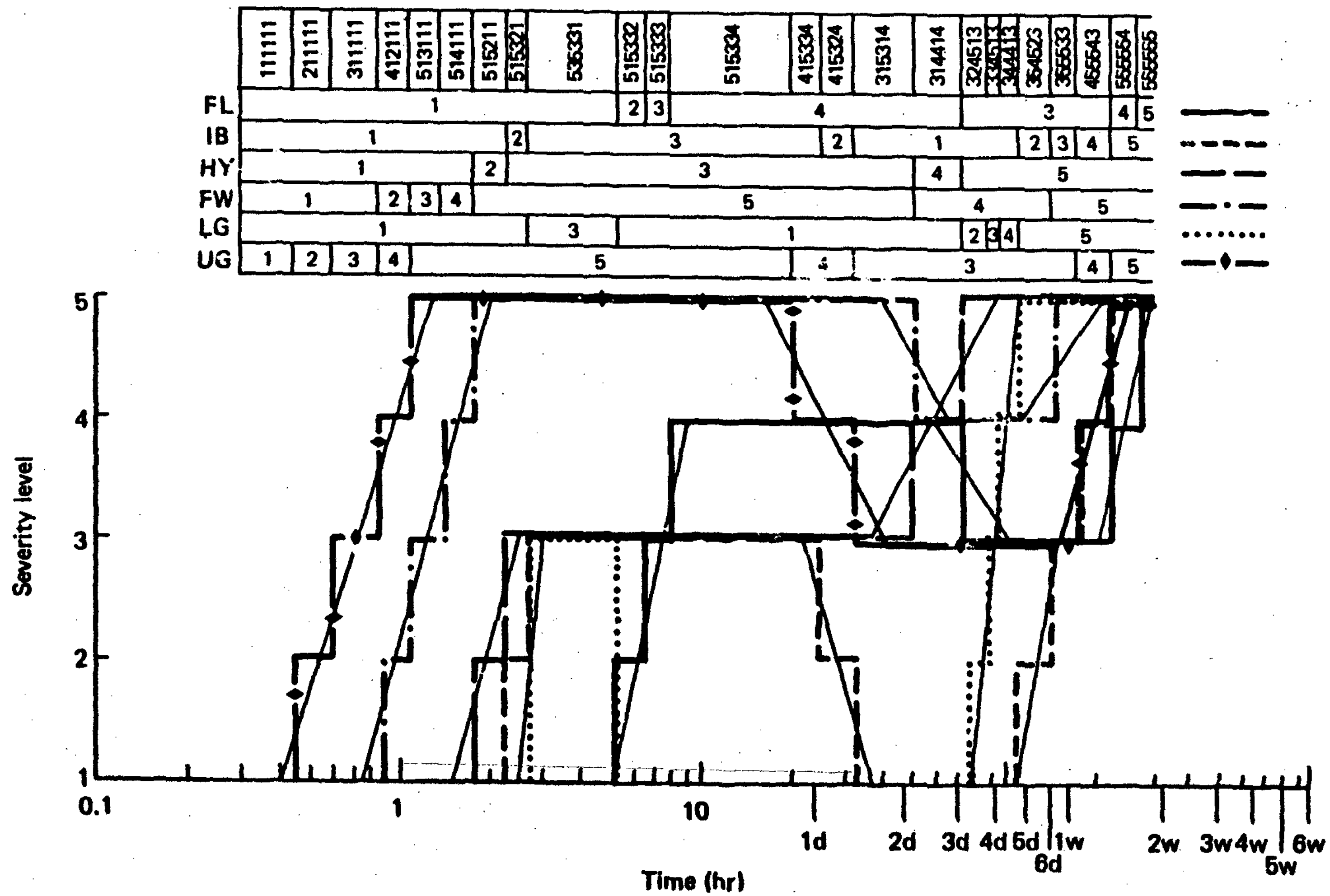



Figure 38. Symptom severity level: 1500 to 3000 rads (cGy) free-in-air dose.

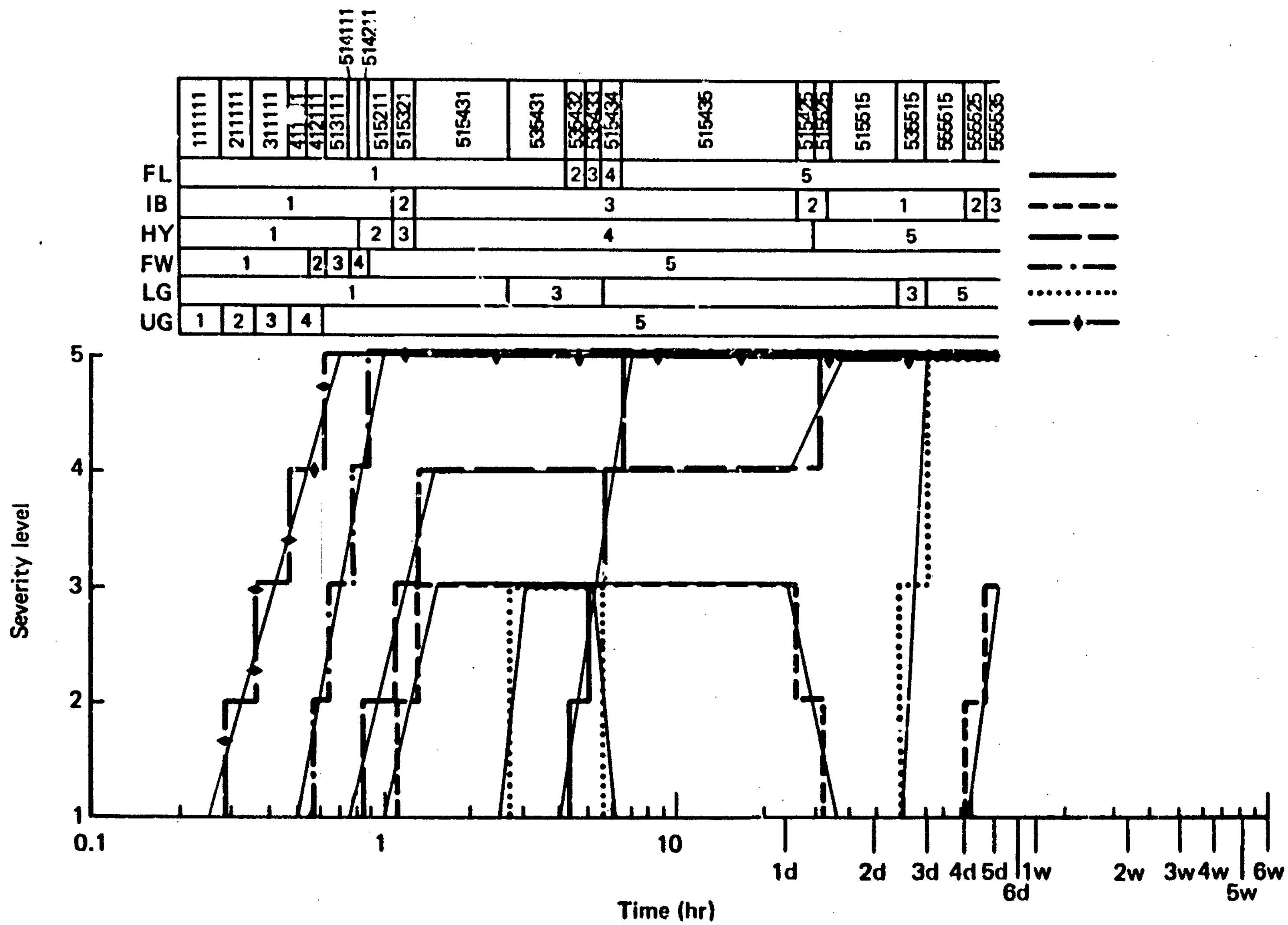



Figure 39. Symptom severity level: 3000 to 4500 rads (cGy) free-in-air dose.

the levels. Thus, symptom severity is represented in terms of discrete levels consistent with the formation of the severity level descriptions in Anno and Wilson [1983]. The step function profiles are constructed such that approximately equal areas under the sloping curves are maintained.

Above those curves, each of the symptom categories is shown as a horizontal band spanning time and is divided into a series of rectangles of varying length. The symptom category bands contain integers that designate the severity level and associated time period. Above the group of rectangles is another band that defines the symptom complexes in terms of a six-digit code. Those coded rectangles merely "collapse" the separate bands of each of the six symptom categories depicted below them into the symptom complexes. The position of each digit in the code corresponds to one of the six symptom categories shown earlier, and in the order indicated. However, the *value* of each individual digit indicates the severity level of each symptom category.

For example, in Fig. 34, for the dose range 300 to 530 rads (cGy), symptom complex 314112, existing between 13 and 22 hr following exposure, consists of symptom categories in the following order: upper gastrointestinal distress (UG), severity level 3; lower gastrointestinal distress (LG), level 1; fatigability and weakness (FW), level 4; hypotension (HY), level 1; infection, bleeding, and fever (IB), level 1; and fluid loss and electrolyte imbalance (FL), level 2. The description for this symptom complex [Anno and Wilson, 1983] used in the army combat crew questionnaire [Glickman et al., 1983] is as follows: "Nauseated, considerable sweating, swallows frequently to avoid vomiting; very tired and weak; thirsty and has dry mouth, weak and faint."

Except for the early LG distress, we estimate that all other symptom categories represented by the symptom severity profiles in Figs. 32 through 39 are applicable to about 50 percent (except for the 75 to 150 rads [cGy] dose range) or more of those irradiated, and are thus typically representative. The profile for LG distress, shown by a dotted line between 2.5 and 5.5 hr in Figs. 34 through 39, is a brief one- or two-time episode of diarrhea that may occur in the early or prodromal phase following radiation exposure in about 10 percent of those irradiated up to a dose of about

1500 rads (cGy). That threshold may increase to a maximum of about 30 percent up to a dose of 4500 rads (cGy). Since our focus in this report is on the effects on performance of the "typical" acute radiation syndrome and symptom sequelae, we have omitted the *early* LG effect from the main calculations of performance for typical combat crewmembers as a function of dose and time. However, additional calculations have been made that do take the early LG effect into account (see Appendix H).

At the extreme ends of Figs. 33, 34, and 35, two sets of symptom complexes are indicated at corresponding or similar times to reflect the possible sequelae of "survivors" and "nonsurvivors." In Fig. 33, for the 150 to 300 rad (cGy) dose range, a small number of lethalities, less than or equal to about 5 percent, may be expected to occur sometime after the fifth week following exposure [Baum et al., 1983]. Accordingly, we have represented the nonsurvivors by complex 112131 as the offset rectangle. In Fig. 34, for the 300 to 530 rad (cGy) dose range, up to 50 percent lethalities may be expected sometime after the fourth week following exposure [Baum et al., 1983]. Similarly, we have represented nonsurvivors by symptom complex 134151 as the offset rectangle. However, in Fig. 35 for the 530 to 830 rad (cGy) dose range, 50 to 99 percent lethalities may be expected starting at the end of the third week following exposure [Baum et al., 1983]. In that case the survivors, rather than the nonsurvivors, are represented by the offset rectangles containing symptom complex designations.

Figure 40 gives the dose/time locations of all the symptom complexes. The symptom complexes in the upper band of rectangles in Figs. 32 through 39, for each of the eight dose ranges, are combined. The percent (incidence) of individuals expected to have acute radiation symptoms represented by the symptom complexes are indicated by dose range to the left of the ordinate [Baum et al., 1983]. The various complexes typify expected states of acute radiation sickness following a prompt period of exposure. However, since each complex is composed of six different symptomatic components, it is not a straightforward matter to quantify each in terms of an overall state or condition measured on some uniform scale. This is because we cannot stipulate the degree of severity level equivalence or symptom dependence across the symptom categories. It is

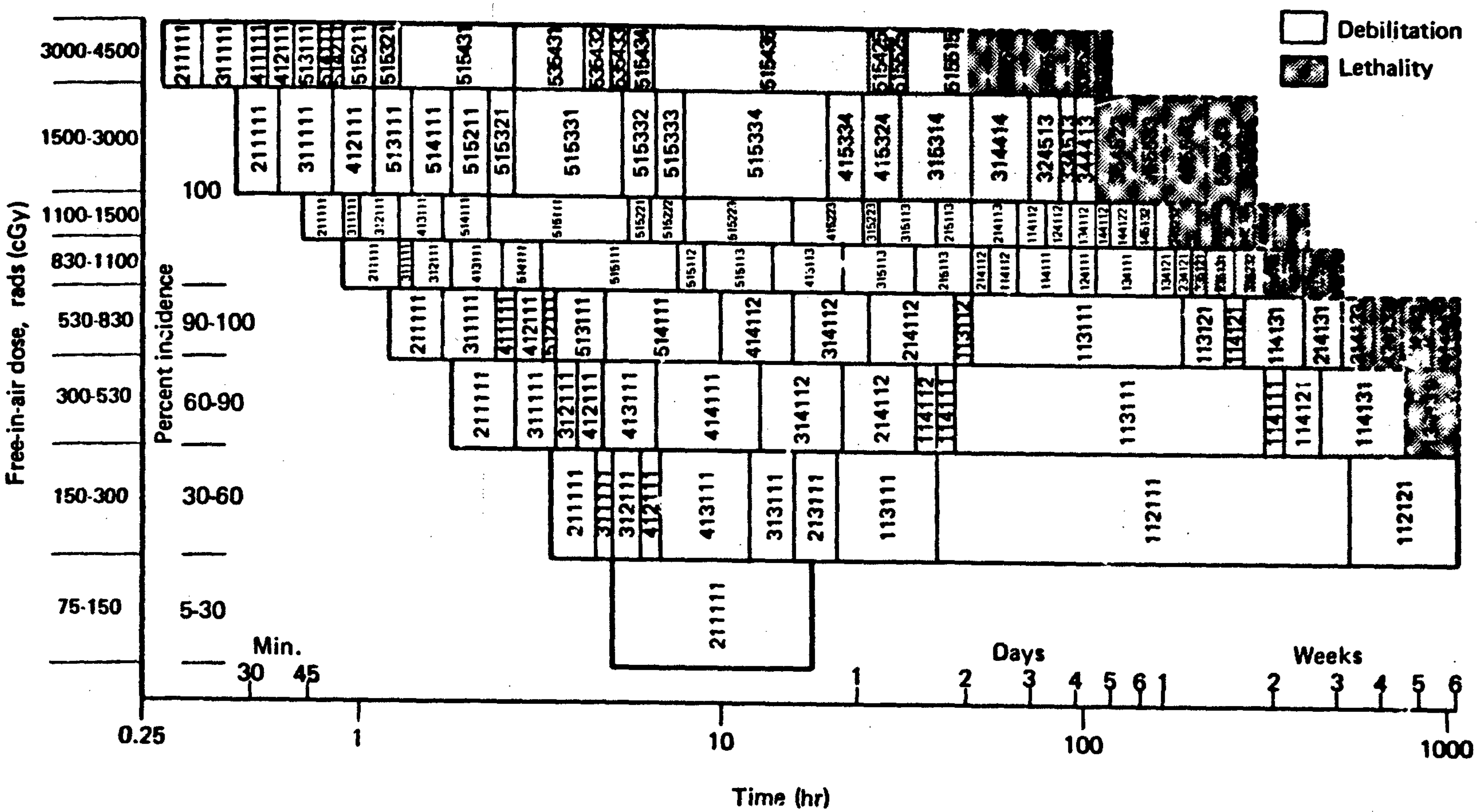



Figure 40. Symptom complexes.

possible, however, to indicate where severe conditions such as debilitation and lethality can be expected. In Fig. 40 the dark shaded areas indicate the occurrence of lethality. Although not shown in the figure, possibly a small number of lethalities may occur after 5 weeks for the 150 to 300 rad (cGy) dose range. The lightly shaded areas indicate severe debilitation ranging from shock, prostration, and fainting at the high dose ranges to infection, fever, weakness, and exhaustion at the low dose ranges.

The severe conditions (debilitation and lethality) indicated in Fig. 40 are where the radiobiological considerations alone suggest extreme functional impairment and are therefore useful to guide the development of performance boundary conditions to combine with the performance estimates from the regression analysis estimates. Figure 40 provides the dose/time framework for the numerical performance mapping process described in Sec. 5, which follows.

## SECTION 5

## DOSE/TIME PERFORMANCE MAPPING

In the last section, a dose/time framework of symptom complexes was constructed; here, the quantitative relationship of crewmember performance with dose and postexposure time is established. The procedure consists of a one-to-one numerical mapping of crewmember performance values obtained from the regression analysis onto the dose/time framework of symptom complexes. Through numerical methods described below, we extend the input performance values from the regression analysis (Sec. 3), ranging from 0 to 100 percent, to produce output performance surfaces and isoperformance contour levels as a function of dose and postexposure time. The discussion that follows details the procedure and lists the numerical values used to obtain the performance dose/time output relationship.

### INPUT DATA

Performance values developed from the regression analysis of the combat crew questionnaire responses, together with the appropriate dose and time values, constitute the basic input data. The crew questionnaire responses on which the regression analysis is based do not correspond to all symptom complexes indicated in Fig. 41, owing to a limitation on the number of symptom complexes allowed in the combat crew questionnaires [Glickman et al., 1983]. However, a substantial portion of the dose/time domain, shown by the lightly shaded areas, corresponds to the symptom complexes where questionnaire response data were obtained.

Table 29 lists the input values used for the dose/time performance mapping. For each dose range, the symptom complexes, time ranges, times, and corresponding performance predictions from the regression analysis are given. The performance values are for the chief of section of the gun crew, as a generic case, although the same input format holds for all crew positions (see Appendix I). Graphically, the time range values correspond to the time boundaries of the symptom complex rectangles shown

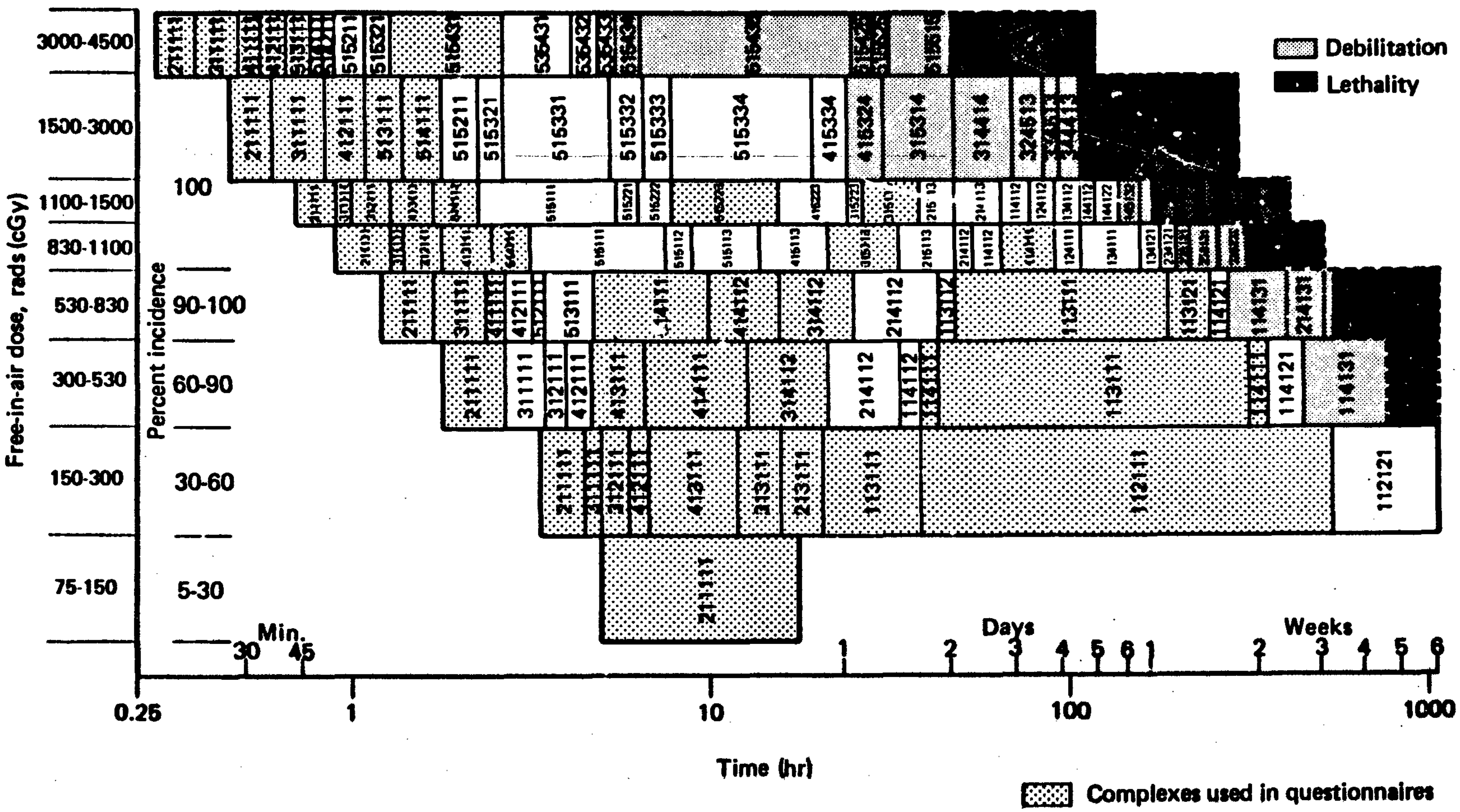



Figure 41. Symptom complexes including those from questionnaires.

in Fig. 41. The time value where performance input is specified is the midpoint of the horizontal length of those rectangles. Since the time axis is logarithmic, the midpoint is given by the square root of the product of the time boundaries.

Referring to Fig. 41, input boundary conditions are specified at the outer periphery of the connected collection of symptom complex areas. This is done by specifying the performance with a series of relationships described below that designate where the performance is 100 percent (symptom-free) or assumed to be 0 percent (extreme symptom severity or lethality).

## COMPUTATIONAL PROCEDURE

In order to create a three-dimensional representation of performance as a function of dose and time, we take the symptom map (Fig. 41) plus imposed boundary conditions to build a smooth surface that both covers the regions of interest and passes through each performance input data point. To do this, a "french curve" algorithm (FCA) is used to translate the input data into an evenly spaced (logarithmic) grid of performance predictions for 18 values of dose and 39 values of time.

We chose the particular dose/time grid structure to allow full resolution of the underlying symptom map without adding an excessive amount of easily interpolated information. Within the areas defined by boundary conditions there are 143 irregularly spaced input points and about 400 output values. Since the only regularities in the structure of the input data are the 8 dose bands, the dose grid lines are chosen to correspond to the middle of the bands to the extent possible. No such regularity is present in the time structure of the input data, so the grid lines are chosen for calculational convenience.

Figure 42 shows the output grid structure, along with the locations assigned to the input data and the imposed boundaries. The dose grid lines are indexed i, where i = 1, 2, ..., 18, which correspond to dose values listed in Table 30, given by

$$D_i = 10^{(0.11i+1.67609)} \quad \text{rads (cGy)} \quad . \tag{21}$$

Table 29. Input data for dose/time analysis of gun crew, chief of section.

| Dose Range [rads (cGy)] | Complex | Time Range (hr) | | Time (hr) | Performance Value for Input Data |
|---|---|---|---|---|---|
| 75-150 | 211111 | 5.00 | 18.00 | 9.49 | 0.7226 |
| 150-300 | 211111 | 3.40 | 4.50 | 3.91 | 0.7226 |
| | 311111 | 4.50 | 5.00 | 4.74 | 0.6751 |
| | 312111 | 5.00 | 6.00 | 5.48 | 0.6341 |
| | 412111 | 6.00 | 6.80 | 6.39 | 0.5804 |
| | 413111 | 6.80 | 12.00 | 9.03 | 0.5357 |
| | 313111 | 12.00 | 16.00 | 13.86 | 0.5912 |
| | 213111 | 16.00 | 21.00 | 18.33 | 0.6444 |
| | 113111 | 21.00 | 40.00 | 28.98 | 0.6943 |
| | 112111 | 40.00 | 540.00 | 146.97 | 0.7314 |
| | 112121 | 540.00 | 1060.00 | 756.57 | 0.6568 |
| 300-530 | 211111 | 1.80 | 2.70 | 2.20 | 0.7226 |
| | 311111 | 2.70 | 3.50 | 3.07 | 0.6751 |
| | 312111 | 3.50 | 3.90 | 3.69 | 0.6341 |
| | 412111 | 3.90 | 4.60 | 4.24 | 0.5804 |
| | 413111 | 4.60 | 6.60 | 5.51 | 0.5357 |
| | 414111 | 6.60 | 13.00 | 9.26 | 0.4904 |
| | 314112 | 13.00 | 22.00 | 16.91 | 0.4386 |
| | 214112 | 22.00 | 35.00 | 27.75 | 0.4947 |
| | 114112 | 35.00 | 40.00 | 37.42 | 0.5510 |
| | 114111 | 40.00 | 45.00 | 42.43 | 0.6545 |
| | 113111 | 45.00 | 320.00 | 120.00 | 0.6943 |
| | 114111 | 320.00 | 360.00 | 339.41 | 0.6545 |
| | 114121 | 360.00 | 450.00 | 402.49 | 0.5712 |
| | 114131 | 450.00 | 780 00 | 592.45 | 0.4836 |
| | 134131 | 780.00 | 1080.00 | 917.82 | 0.3108 |
| 530-830 | 211111 | 1.20 | 1.70 | 1.43 | 0.7226 |
| | 311111 | 1.70 | 2.40 | 2.02 | 0.6751 |
| | 411111 | 2.40 | 2.70 | 2.55 | 0.6238 |
| | 412111 | 2.70 | 3.25 | 2.96 | 0.5804 |
| | 512111 | 3.25 | 3.50 | 3.37 | 0.5246 |
| | 513111 | 3.50 | 4.80 | 4.10 | 0.4793 |
| | 514111 | 4.80 | 10.00 | 6.93 | 0.4343 |
| | 414112 | 10.00 | 16.00 | 12.65 | 0.3840 |
| | 314112 | 16.00 | 26.00 | 20.40 | 0.4386 |
| | 214112 | 26.00 | 45.00 | 34.21 | 0.4947 |
| | 113112 | 45.00 | 50.00 | 47.43 | 0.5953 |
| | 113111 | 50.00 | 190.00 | 97.47 | 0.6943 |
| | 113121 | 190.00 | 250.00 | 217.95 | 0.6149 |
| | 114121 | 250.00 | 280.00 | 264.58 | 0.5712 |
| | 114131 | 280.00 | 410.00 | 338.82 | 0.4836 |
| | 214131 | 410.00 | 520.00 | 461.74 | 0.4276 |

Table 29. Input data for dose/time analysis of gun crew, chief of section (Continued).

| Dose Range [rads (cGy)] | Complex | Time Range (hr) | | Time (hr) | Performance Value for Input Data |
|---|---|---|---|---|---|
| 530-830 (cont.) | 314133 | 520.00 | 630.00 | 572.36 | 0.2000 |
| | 424133 | 630.00 | 760.00 | 691.95 | 0.1216 |
| | 434143 | 760.00 | 910.00 | 831.62 | 0.0633 |
| | 444153 | 910.00 | 1080.00 | 991.36 | 0.0319 |
| 830-1100 | 211111 | 0.90 | 1.30 | 1.08 | 0.7226 |
| | 311111 | 1.30 | 1.40 | 1.35 | 0.6751 |
| | 312111 | 1.40 | 1.80 | 1.59 | 0.6341 |
| | 413111 | 1.80 | 2.50 | 2.12 | 0.5357 |
| | 514111 | 2.50 | 3.20 | 2.83 | 0.4343 |
| | 515111 | 3.20 | 7.60 | 4.93 | 0.3904 |
| | 515112 | 7.60 | 9.00 | 8.27 | 0.2932 |
| | 515113 | 9.00 | 14.00 | 11.22 | 0.2118 |
| | 415113 | 14.00 | 22.00 | 17.55 | 0.2519 |
| | 315113 | 22.00 | 35.00 | 27.75 | 0.2968 |
| | 215113 | 35.00 | 50.00 | 41.83 | 0.3460 |
| | 214112 | 50.00 | 56.00 | 52.91 | 0.4947 |
| | 114112 | 56.00 | 67.00 | 61.25 | 0.5510 |
| | 114111 | 67.00 | 92.00 | 78.51 | 0.6545 |
| | 124111 | 92.00 | 110.00 | 100.60 | 0.5680 |
| | 134111 | 110.00 | 160.00 | 132.66 | 0.4771 |
| | 134121 | 160.00 | 180.00 | 169.71 | 0.3908 |
| | 234121 | 180.00 | 190.00 | 184.93 | 0.3386 |
| | 235121 | 190.00 | 200.00 | 194.94 | 0.2992 |
| | 235131 | 200.00 | 260.00 | 228.04 | 0.2309 |
| | 325232 | 260.00 | 320.00 | 288.44 | 0.1730 |
| | 315343 | 320.00 | 360.00 | 339.41 | 0.1138 |
| | 415343 | 360.00 | 410.00 | 384.19 | 0.0930 |
| | 414344 | 410.00 | 460.00 | 434.28 | 0.0622 |
| | 515354 | 460.00 | 520.00 | 489.08 | 0.0359 |
| 1100-1500 | 211111 | 0.70 | 0.90 | 0.79 | 0.7226 |
| | 311111 | 0.90 | 1.00 | 0.95 | 0.6751 |
| | 312111 | 1.00 | 1.30 | 1.14 | 0.6341 |
| | 413111 | 1.30 | 1.70 | 1.49 | 0.5357 |
| | 514111 | 1.70 | 2.30 | 1.98 | 0.4343 |
| | 515111 | 2.30 | 5.30 | 3.49 | 0.3904 |
| | 515221 | 5.30 | 5.70 | 5.50 | 0.2965 |
| | 515222 | 5.70 | 8.00 | 6.75 | 0.2144 |
| | 515223 | 8.00 | 16.00 | 11.31 | 0.1502 |
| | 415223 | 16.00 | 25.00 | 20.00 | 0.1814 |
| | 315223 | 25.00 | 27.00 | 25.98 | 0.2174 |
| | 315113 | 27.00 | 40.00 | 32.86 | 0.2968 |
| | 215113 | 40.00 | 50.00 | 44.72 | 0.3460 |
| | 214113 | 50.00 | 66.00 | 57.45 | 0.3881 |

Table 29. Input data for dose/time analysis of gun crew, chief of section (Continued).

| Dose Range [rads (cGy)] | Complex | Time Range (hr) | | Time (hr) | Performance Value for Input Data |
|---|---|---|---|---|---|
| 1100-1500 (cont.) | 114112 | 66.00 | 80.00 | 72.66 | 0.5510 |
| | 124112 | 80.00 | 92.00 | 85.79 | 0.4600 |
| | 134112 | 92.00 | 110.00 | 100.60 | 0.3715 |
| | 144112 | 110.00 | 120.00 | 114.89 | 0.2909 |
| | 144122 | 120.00 | 140.00 | 129.61 | 0.2238 |
| | 145132 | 140.00 | 160.00 | 149.67 | 0.1446 |
| | 245232 | 160.00 | 210.00 | 183.30 | 0.1121 |
| | 345342 | 210.00 | 260.00 | 233.67 | 0.0622 |
| | 445443 | 260.00 | 300.00 | 279.29 | 0.0311 |
| | 454454 | 300.00 | 340.00 | 319.37 | 0.0120 |
| | 545454 | 340.00 | 420.00 | 377.89 | 0.0115 |
| 1500-3000 | 211111 | 0.45 | 0.60 | 0.52 | 0.7726 |
| | 311111 | 0.60 | 0.84 | 0.71 | 0.6751 |
| | 412111 | 0.84 | 1.10 | 0.96 | 0.5804 |
| | 513111 | 1.10 | 1.40 | 1.24 | 0.4793 |
| | 514111 | 1.40 | 1.80 | 1.59 | 0.4343 |
| | 515211 | 1.80 | 2.30 | 2.03 | 0.3748 |
| | 515321 | 2.30 | 2.70 | 2.49 | 0.2829 |
| | 515331 | 2.70 | 5.40 | 3.82 | 0.2171 |
| | 515332 | 5.40 | 6.60 | 5.97 | 0.1523 |
| | 515333 | 6.60 | 8.00 | 7.27 | 0.1042 |
| | 515334 | 8.00 | 20.00 | 12.65 | 0.0701 |
| | 415334 | 20.00 | 24.00 | 21.91 | 0.0863 |
| | 415324 | 24.00 | 32.00 | 27.71 | 0.1184 |
| | 315314 | 32.00 | 50.00 | 40.00 | 0.1932 |
| | 314414 | 50.00 | 72.00 | 60.00 | 0.2118 |
| | 324513 | 72.00 | 86.00 | 78.69 | 0.2123 |
| | 334513 | 86.00 | 96.00 | 90.86 | 0.1576 |
| | 344413 | 96.00 | 110.00 | 102.76 | 0.1218 |
| | 354523 | 110.00 | 140.00 | 124.10 | 0.0596 |
| | 355533 | 140.00 | 170.00 | 154.27 | 0.0358 |
| | 455543 | 170.00 | 220.00 | 193.39 | 0.0204 |
| | 555554 | 220.00 | 270.00 | 243.72 | 0.0000 |
| | 555555 | 270.00 | 300.00 | 284.61 | 0.0000 |
| 3000-4500 | 211111 | 0.28 | 0.36 | 0.32 | 0.7226 |
| | 311111 | 0.36 | 0.48 | 0.42 | 0.6751 |
| | 411111 | 0.48 | 0.56 | 0.52 | 0.6238 |
| | 412111 | 0.56 | 0.66 | 0.61 | 0.5804 |
| | 513111 | 0.66 | 0.77 | 0.71 | 0.4793 |
| | 514111 | 0.77 | 0.84 | 0.80 | 0.4343 |
| | 514211 | 0.84 | 0.90 | 0.87 | 0.4181 |
| | 515211 | 0.90 | 1.10 | 0.99 | 0.3748 |

Table 29. Input data for dose/time analysis of gun crew, chief of section (Concluded).

| Dose Range [rads (cGy)] | Complex | Time Range (hr) | | Time (hr) | Performance Value for Input Data |
|---|---|---|---|---|---|
| 3000-4500 (cont.) | 515321 | 1.10 | 1.30 | 1.20 | 0.2829 |
| | 515431 | 1.30 | 2.70 | 1.87 | 0.2061 |
| | 535431 | 2.70 | 4.20 | 3.37 | 0.1111 |
| | 535432 | 4.20 | 5.00 | 4.58 | 0.0749 |
| | 535433 | 5.00 | 5.60 | 5.29 | 0.0498 |
| | 515434 | 5.60 | 6.60 | 6.08 | 0.0659 |
| | 515435 | 6.60 | 26.00 | 13.10 | 0.0437 |
| | 515425 | 26.00 | 30.00 | 27.93 | 0.0610 |
| | 515525 | 30.00 | 33.00 | 31.46 | 0.0573 |
| | 515515 | 33.00 | 55.00 | 42.60 | 0.0796 |
| | 535515 | 55.00 | 70.00 | 62.05 | 0.0400 |
| | 555515 | 70.00 | 91.00 | 79.81 | 0.0197 |
| | 555525 | 91.00 | 110.00 | 100.05 | 0.0139 |
| | 555535 | 110.00 | 120.00 | 114.89 | 0.0000 |

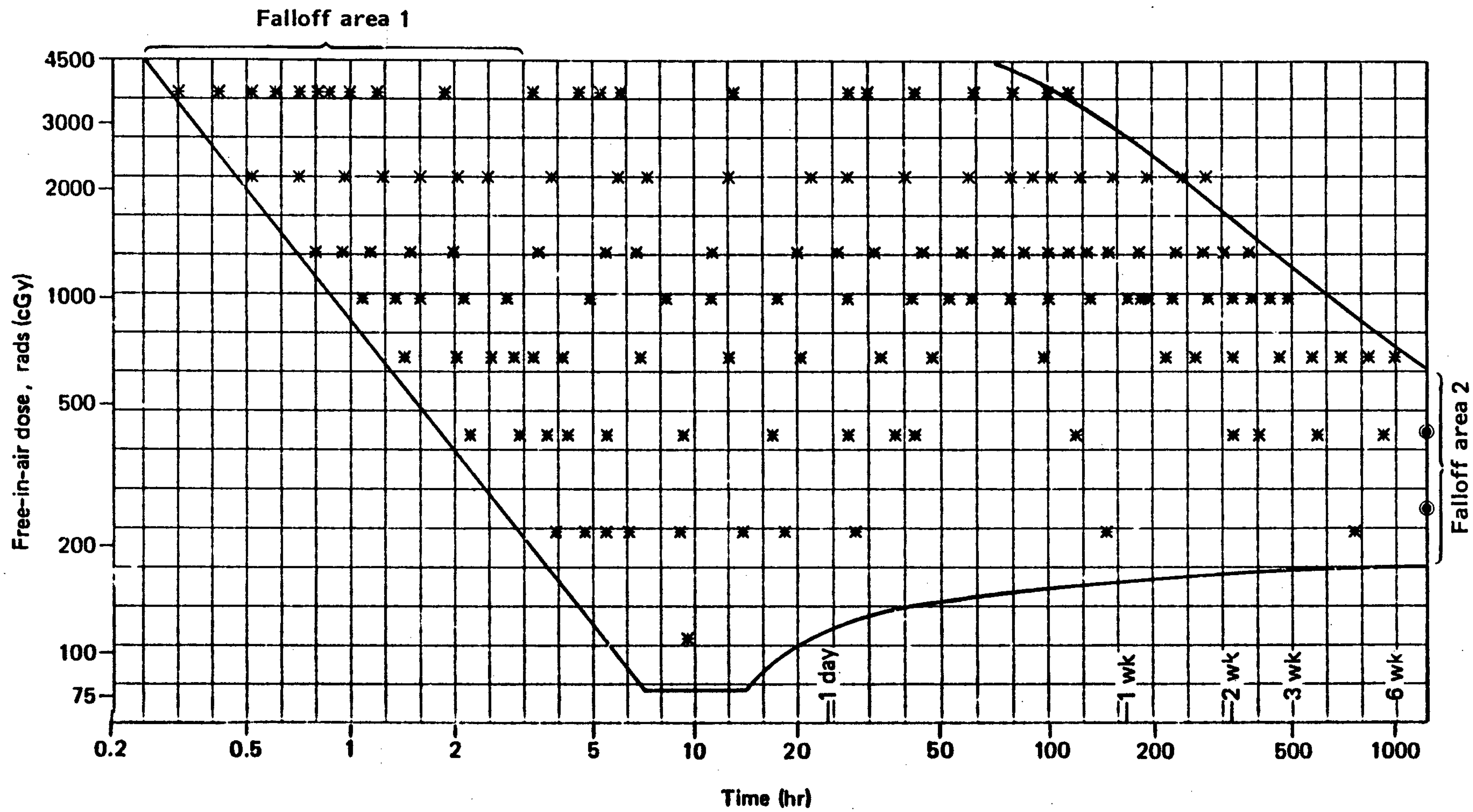



Figure 42. Data points and boundaries.

Table 30. Dose/time grid lines.

| Range [rads (cGy)] | Dose (free-in-air) Index (i) | Dose (free-in-air) Grid Line [rads (cGy)] | Time Index (j) | Time Grid Line (hr) | Time Index (j) | Time Grid Line (hr) |
|---|---|---|---|---|---|---|
| 75-150 | 1 | 61.11 | 1 | 0.20 | 21 | 19.95 |
| | 2 | 78.72 | 2 | 0.25 | 22 | 25.12 |
| | 3 | 104.42 | 3 | 0.32 | 23 | 31.62 |
| | 4 | 130.65 | 4 | 0.40 | 24 | 39.81 |
| 150-300 | 5 | 168.30 | 5 | 0.50 | 25 | 50.12 |
| | 6 | 216.81 | 6 | 0.63 | 26 | 63.10 |
| | 7 | 279.32 | 7 | 0.79 | 27 | 79.43 |
| 300-530 | 8 | 359.82 | 8 | 1.00 | 28 | 100.00 |
| | 9 | 463.55 | 9 | 1.26 | 29 | 125.89 |
| 530-830 | 10 | 597.17 | 10 | 1.58 | 30 | 158.49 |
| | 11 | 769.29 | 11 | 2.00 | 31 | 199.53 |
| 830-1100 | 12 | 991.04 | 12 | 2.51 | 32 | 251.19 |
| 1100-1500 | 13 | 1276.71 | 13 | 3.16 | 33 | 316.23 |
| 1500-3000 | 14 | 1644.72 | 14 | 3.98 | 34 | 398.11 |
| | 15 | 2118.81 | 15 | 5.01 | 35 | 501.19 |
| | 16 | 2729.55 | 16 | 6.31 | 36 | 630.96 |
| 3000-4500 | 17 | 3516.35 | 17 | 7.94 | 37 | 794.33 |
| | 18 | 4529.94 | 18 | 10.00 | 38 | 1000.00 |
| | -- | -- | 19 | 12.59 | 39 | 1258.93 |
| | -- | -- | 20 | 15.85 | -- | -- |

Similarly, the time grid lines, indexed by j, j = 1, 2, ..., 39, represent time values listed in Table 30, and are given by

$$t_j = 10^{(0.10j-0.8)} \text{ hr} . \qquad (22)$$

Note that the outermost grid lines in both cases fall just outside the area covered by the symptom map.

The boundary conditions were chosen by making a priori assumptions regarding the extremes where performance is 100 percent (nondegraded) or

0 percent (totally degraded). Those particular boundary conditions were derived to ensure a smooth transition of the performance surface between the boundaries and the interior regions. The functional forms of the following boundary value formulas are not based on any specific theoretical model, but yield curves that are not inconsistent with the data and represent the perceived effects of radiation exposure on humans at the boundary extremes. Those boundary conditions, specified in terms of performance fraction p, will be described in terms of four areas of the grid in the same manner in which they were implemented in the analysis. Dose values are in rads (cGy), time in hours.

1. Upper edge ($D = 4529.928$) (23)

$0.1995 \le t \le 0.2606$: $p = 1.0$

$0.2606 \le t \le 3.1623$: $p = (1 + \varepsilon) \exp [- (a + b \log_{10} t)] - \varepsilon$

$a = 1.32819$

$b = 2.27430$

$\varepsilon = 0.0928716$

$3.1623 \le t \le 1258.925$: $p = 0.$

The shape and effect of this boundary condition are particularly evident on the three-dimensional plots and correspond to falloff area 1 indicated in Fig. 42.

2. Right edge ($t = 1258.925$)

$61.107 \le D \le 168.303$: $p = 1.0$

$597.161 \le D \le 4529.928$: $p = 0$

$168.303 \le D \le 597.161$: This falloff area, indicated in Fig. 42, is the least well known on the grid. A smooth transition from the data area was achieved most often by setting

$$p = a - b \log_{10} D \tag{24}$$

$a = 4.31952$

$b = 1.58364$

for two points at $D = 141.421$ and $D = 264.575$. The french curve algorithm (discussed below) was then used to generate a

curve through these points (see Fig. 42). The actual shape is evident on the three-dimensional plots and corresponds to fall-off area 2 in Fig. 42.

3. $p = 0$ limit (upper-right boundary)
   $D \geq 597.161$
   $t \geq 70.795$

$$\log_{10} D = \frac{1.43}{1 + \exp\,(a \log_{10} t - b)} + 2.44609 \tag{25}$$

$$a = 2.32698$$
$$b = 6.00965.$$

   This curve is easily seen on the contour plots.

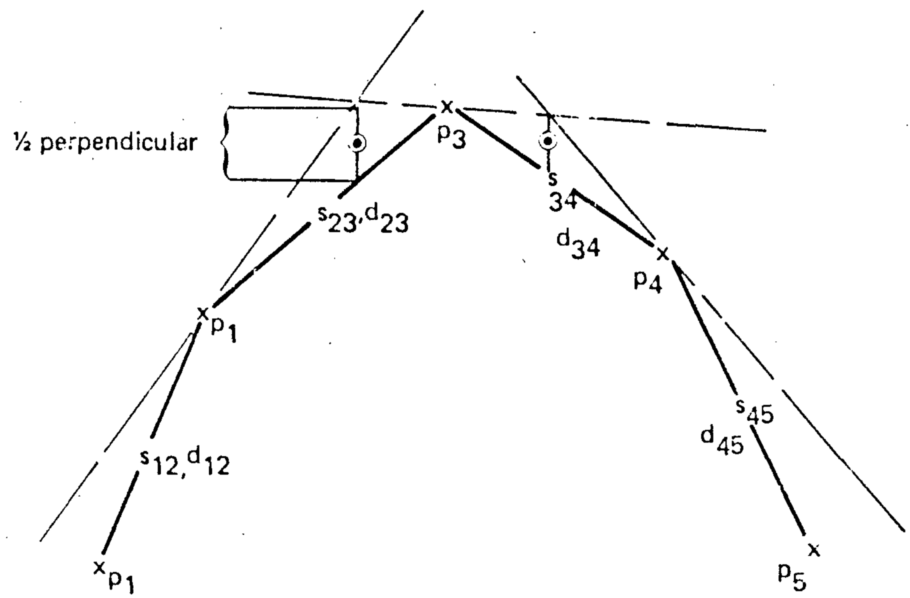
4. $p = 1.0$ limit (left and lower boundary)

$$\begin{aligned}
&0.1995 \leq t \leq 0.2606: && \text{All doses; same as upper edge limit} \\
&0.2606 \leq t \leq 6.9314: && \log_{10} D = 2.92609 - 1.25 \log_{10} t \\
&6.9314 \leq t \leq 13.8523: && D = 75.0 \\
&13.8523 \leq t \leq 1258.9254: && \log_{10} D = a + b\, \ell n\, (\log_{10} t - c)
\end{aligned} \tag{26}$$

$$a = 2.16549$$
$$b = 0.0877468$$
$$c = 1.105.$$

   Again, this curve is clearly evident on the contour plots and in Fig. 42.

The actual procedure for generating time output data uses the FCA mentioned previously. That algorithm fits as smooth a curve as possible to irregularly spaced values for a single independent variable. Figure 43 shows the basic technique, which is to estimate the slope at two adjacent points and then find the intersection (if any) of their tangents. A new point on the curve is generated by dropping a perpendicular from that intersection to the line connecting the original points and choosing the new point halfway between. This procedure is done for each adjacent




s - Slope
d - Distance between points (logrithmic)
x - Regression data points (N)
⦿ - New points

$$\text{Total} \cdot \frac{(N-1)}{2N-1}$$

⋮
etc.
⋮

Grand Total ~ 900

$$s(p_2) = \frac{s_{12}(1/d_{12}) + s_{23}(1/d_{23})}{(1/d_{12}) + (1/d_{23})}$$

$$s(p_3) = \frac{s_{23}(1/d_{23}) + s_{34}(1/d_{34})}{(1/d_{23}) + (1/d_{34})}$$

⋮
etc.

Figure 43. "French curve" algorithm.

pair of points, so if N points are originally given, N - 1 new points are generated. The entire procedure is then repeated on all those 2N - 1 points, etc., until a desired density of points is achieved.

The algorithm has many desirable properties. It is capable of finding a peak (or valley) higher (or lower) than either of the original points that straddle it. Also, the density of points will be greatest where the curve is changing most rapidly, which is where the most resolution is needed. Most important, the FCA yields a curve that always passes through each and every original data point.

For purposes of fitting to the performance data, a three-step procedure is used. The first step is to generate an essentially continuous curve for each of the eight original dose bands. Input data to the FCA consists of the performance and time values for each of the locations (asterisks) on a given row in Fig. 42. Also included are additional data points corresponding to the boundary condition, the edge of the grid, and halfway between. This is done at both ends of the dose band, and yields six extra data points. Thus, even for the lowest dose band, which has only a single performance input point, a total of seven points, ranging over the entire time range of the grid, is input to the FCA. The result is eight curves of performance versus time.

The second step is to generate 39 different "continuous" curves of performance versus dose, each corresponding to one of the time grid lines. Input data to the FCA are eight performance and dose values (from the eight curves generated in step one) plus additional points for the edge of the grid and boundary conditions. This is done 39 times to yield the desired curves.

Finally, the third step is to generate 18 curves of performance versus time, corresponding to the dose grid lines instead of to the original dose bands. Each of these curves is found by using the FCA with input consisting of 39 data points (from the curves generated in step two) plus boundary conditions.

Three-dimensional plots (given in Sec. 6) result from plotting those 39 constant time curves and 18 constant dose curves as seen from the

appropriate perspective. Note that the tables of output values, given in Appendix J, contain only the performance values at the intersections of the grid lines, and thus do *not* reflect the full resolution shown in the plots.

CONTOUR PLOTS

A similar procedure was used to generate contour plots. The first step, generating the eight performance-versus-time curves, is the same as above. Step two, however, is different. Instead of only 39 time-constant curves, a total of 875 such curves are generated. That procedure yields the performance surface to a very high resolution. (On the scale of Fig. 42, if those 875 vertical lines are drawn, the spacing between them would be less than the width of the lines, i.e., the figure would appear as a solid black block.) Each of these "continuous" curves is in fact not continuous, but consists of 885 points. Thus, the surface is represented by a massive array of 875 × 885 = 774,375 points.

Next, each and every one of those points is compared with each of its neighboring points. If one of them is greater than a specified contour level, and the adjacent point is less than that level, then a dot is drawn on the plot for the original point, which then becomes one of the points that forms the contour. The resulting plot is simply a pattern of small dots that appears to the eye as continuous contour lines.

This approach, though tedious, eliminates the need for fitting local analytic approximations to describe the surface, which is the procedure used by most traditional contour plot algorithms. As a result the very detailed resolution of the FCA is preserved in the final contour plots.

Using the numerical procedures detailed above, we describe three-dimensional crewmember performance surfaces and isoperformance contours as a function of dose and postexposure time. In the following section, the overall picture of crewmember performance provided by three-dimensional plots, as well as the isoperformance contours that enable numerical performance estimates to be made graphically is described.

## SECTION 6

## RESULTS AND DISCUSSION

This section details the relationships of individual crewmember performance with acute radiation dose and time after exposure. The relationships are expressed graphically, based on the calculational methods described in Sec. 5 for the 15 artillery, tank, and TOW combat crewmember positions. Comparisons of the performance of five different types of crewmembers according to task similarities are detailed as a function of dose and time following exposure. Also presented and discussed are the confidence bounds associated with our individual performance predictions in order to illustrate the conditional uncertainty associated with the regression predictions of Sec. 3.

### PERFORMANCE SURFACES

Three-dimensional surface representations of the relationship of individual performance to dose and time following a single prompt exposure are shown in Figs. 44 through 58 for each of the 15 crewmembers. The figures provide an overall picture of individual performance as a function of dose and time. Individual performance in percent is expressed as the vertical axis, with dose and time along the horizontal axis. Dose and time are both expressed logarithmically in order to include the entire intermediate dose range of 75 to 4500 rads (cGy) and time (minutes to 6 weeks) on each graph. Accordingly, a visual distortion is introduced where the slope of the surface for small doses and/or early times appears much more pronounced than that of large doses and/or times.

The particular orientation of the axes with the large values of dose and time at the bottom of the graphs enables a more revealing view of the performance surface than if the axes were oriented in the conventional manner with the smaller values at the bottom. The orthogonal lines along the surface are the 18-dose by 39-dose grid lines specified in Sec. 5. The end segments of the grid lines extending to the axes are dashed to indicate the span between input data and specified boundary conditions (discussed in Sec. 5), also shown as dashed lines. Insofar

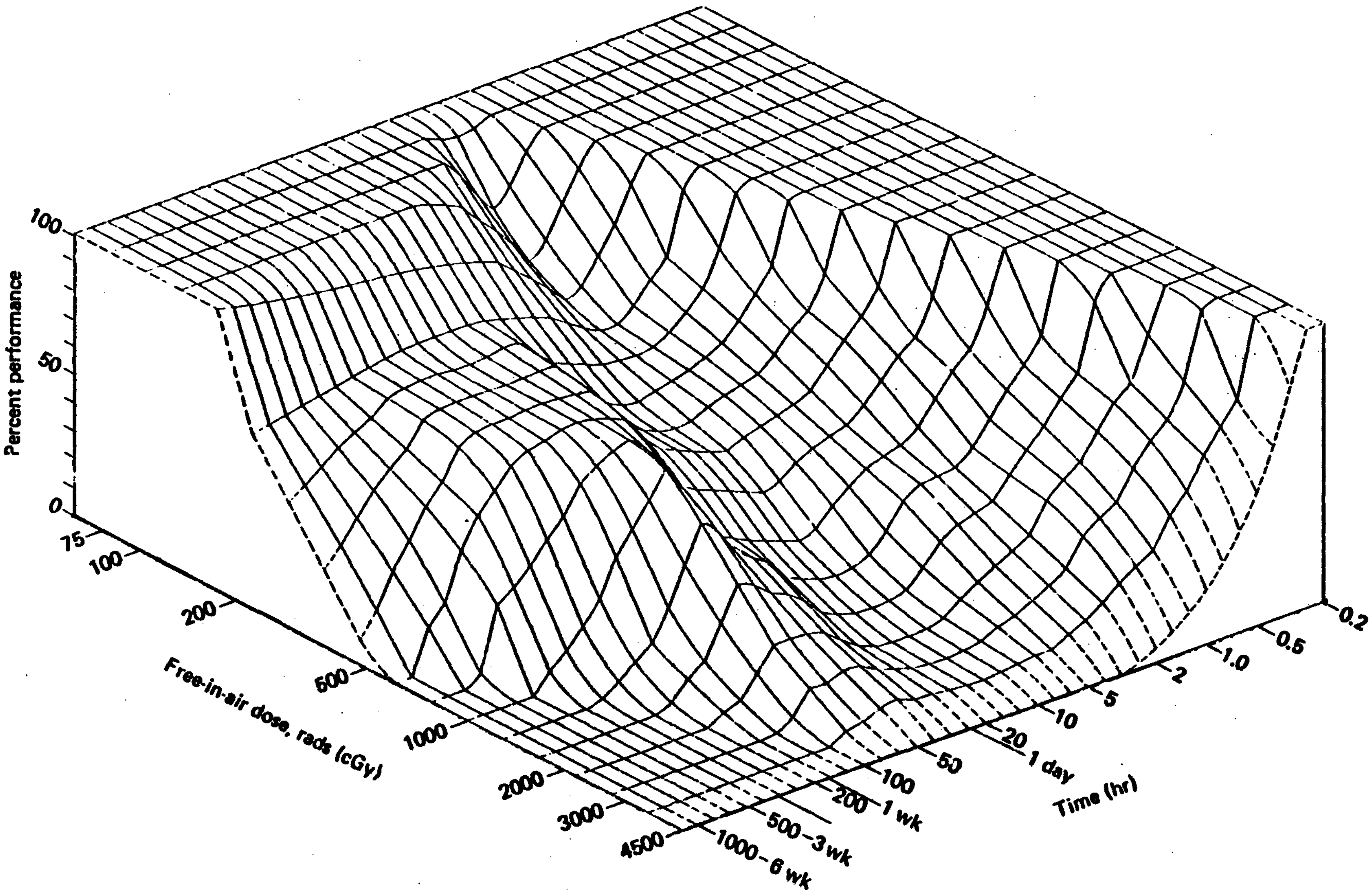



Figure 44. Performance surface: gun crew, chief of section.

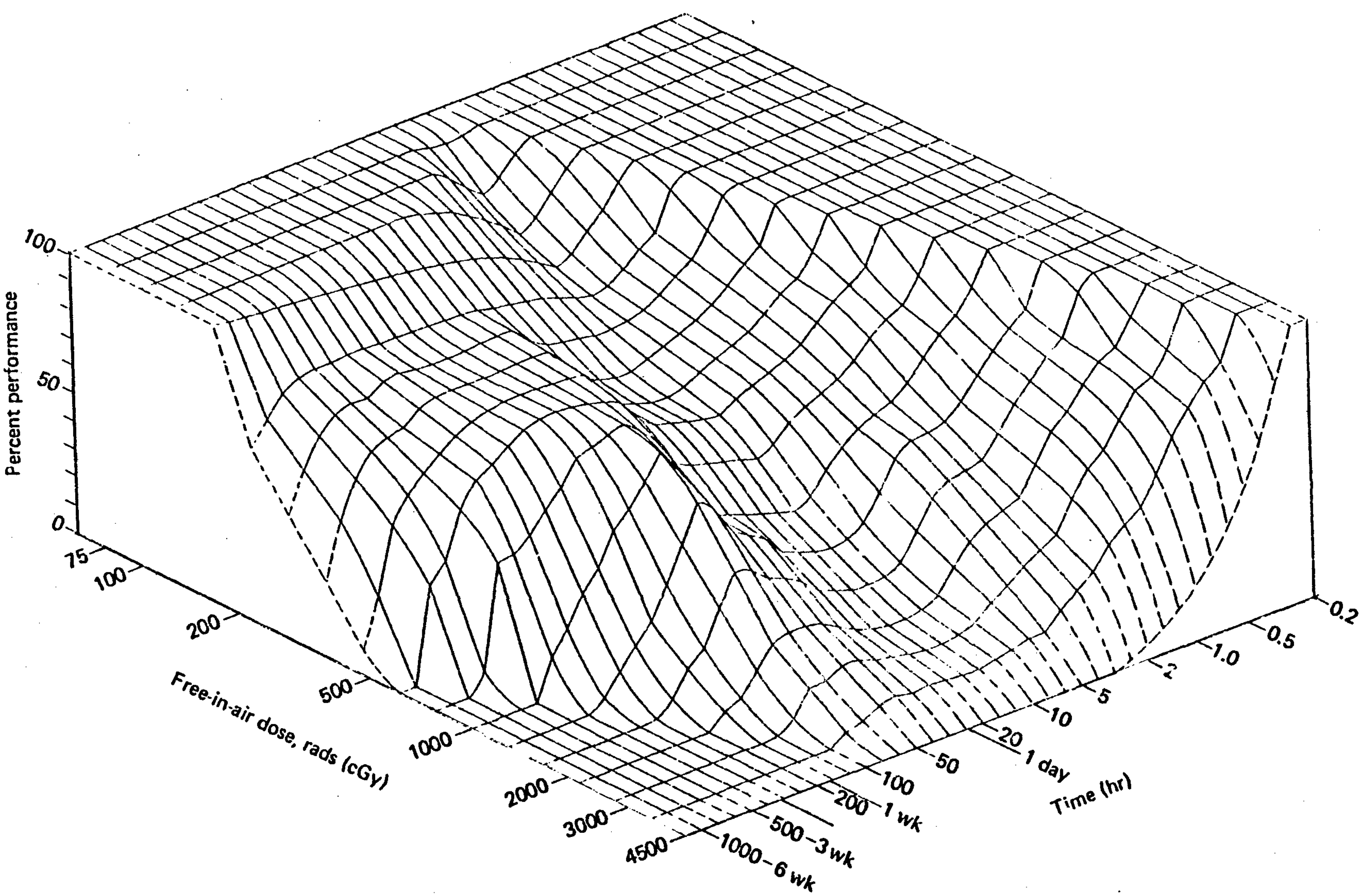



Figure 45. Performance surface: gun crew, gunner.

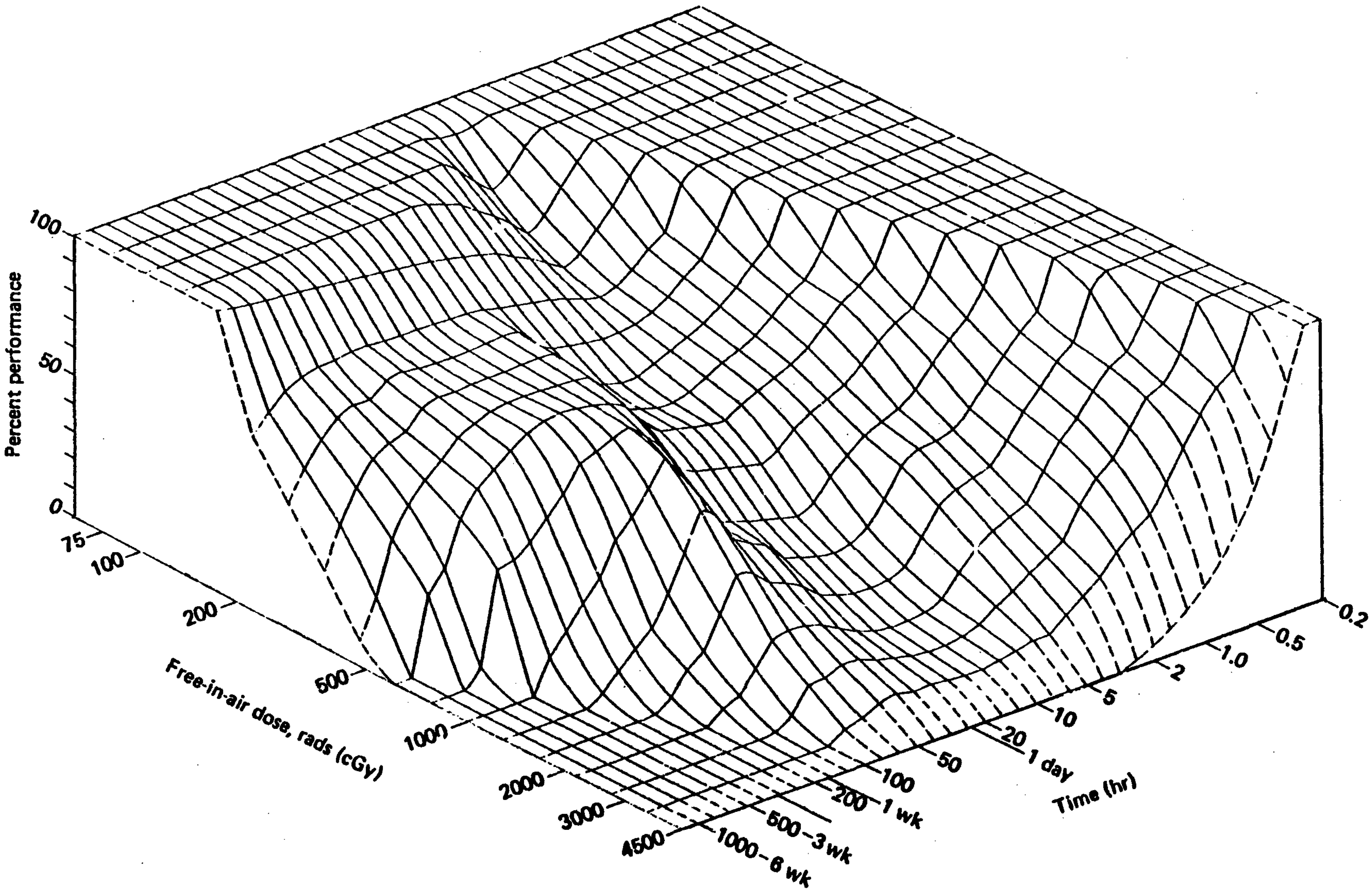



Figure 46. Performance surface: gun crew, assistant gunner.

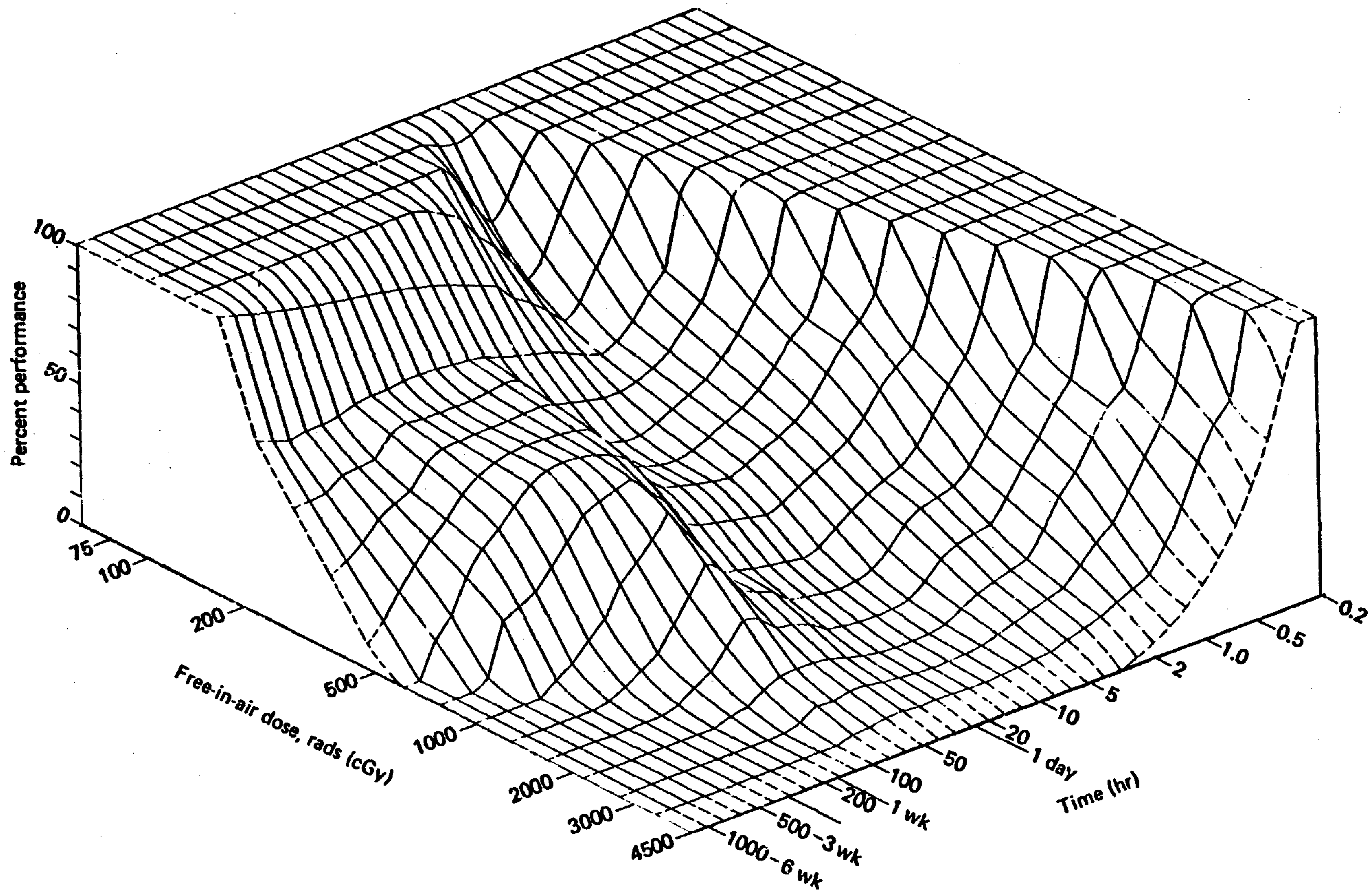



Figure 47. Performance surface: gun crew, loader.

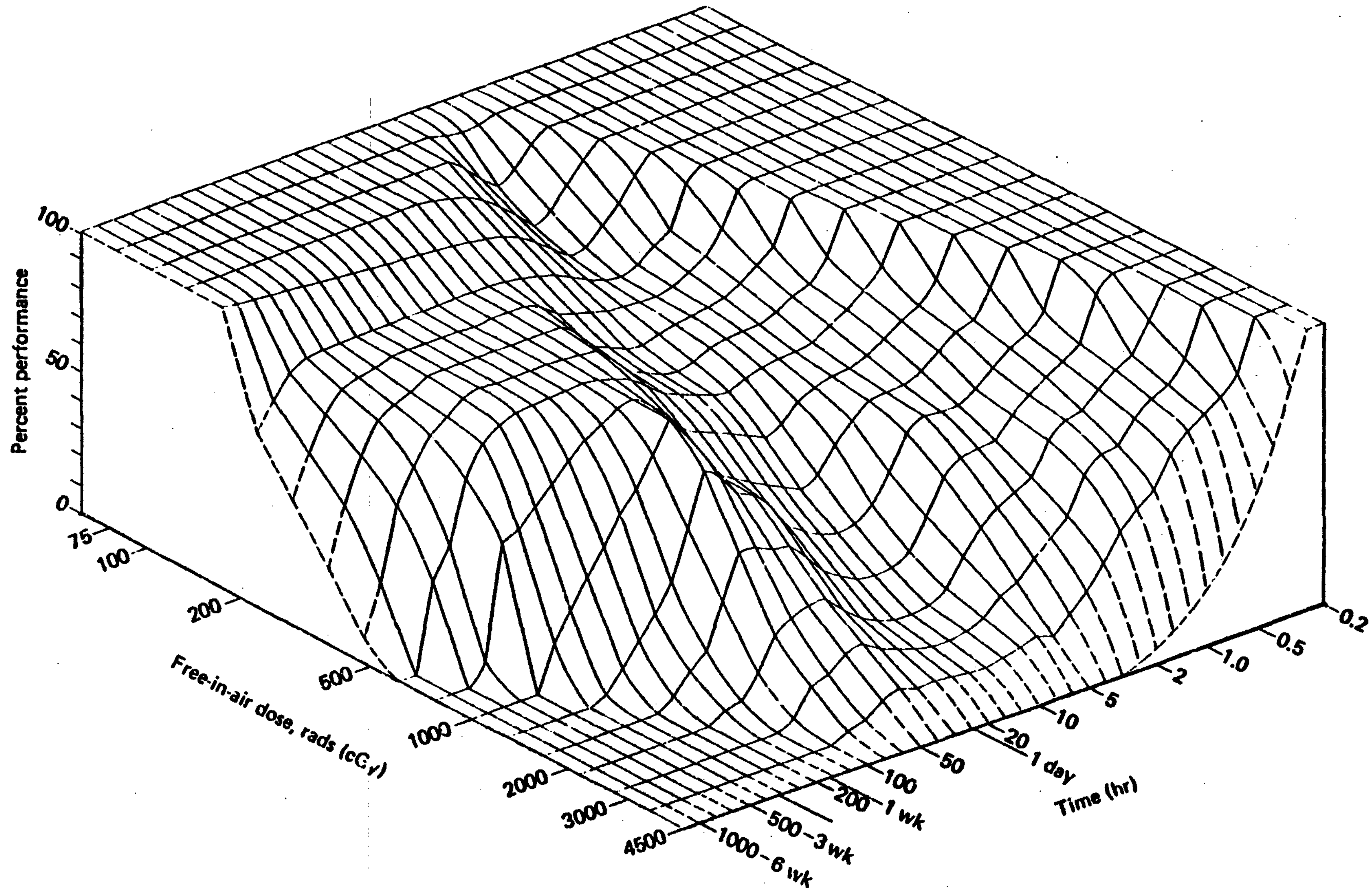



Figure 48. Performance surface: FDC crew, fire direction officer.

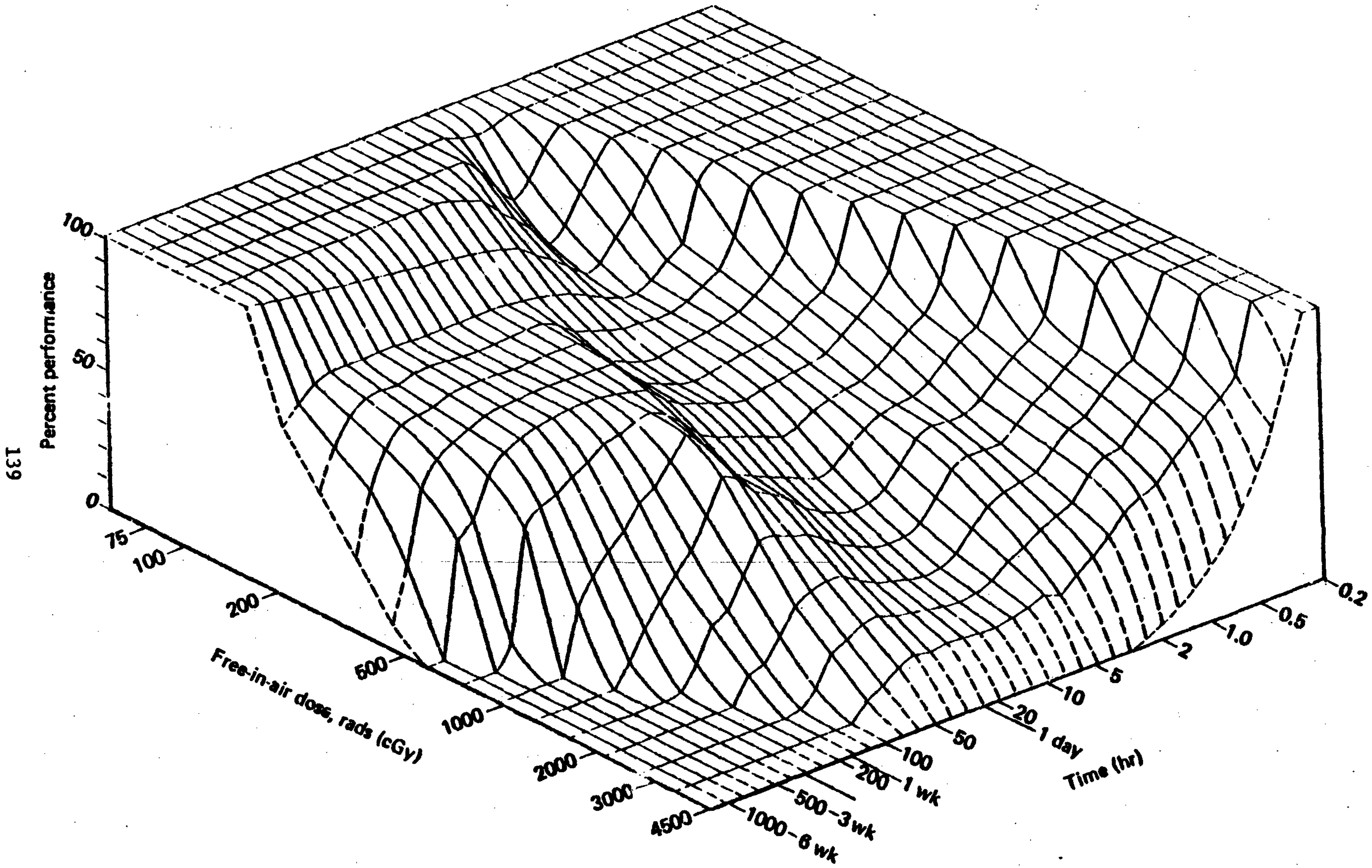



Figure 49. Performance surface: FDC crew, horizontal control operator.

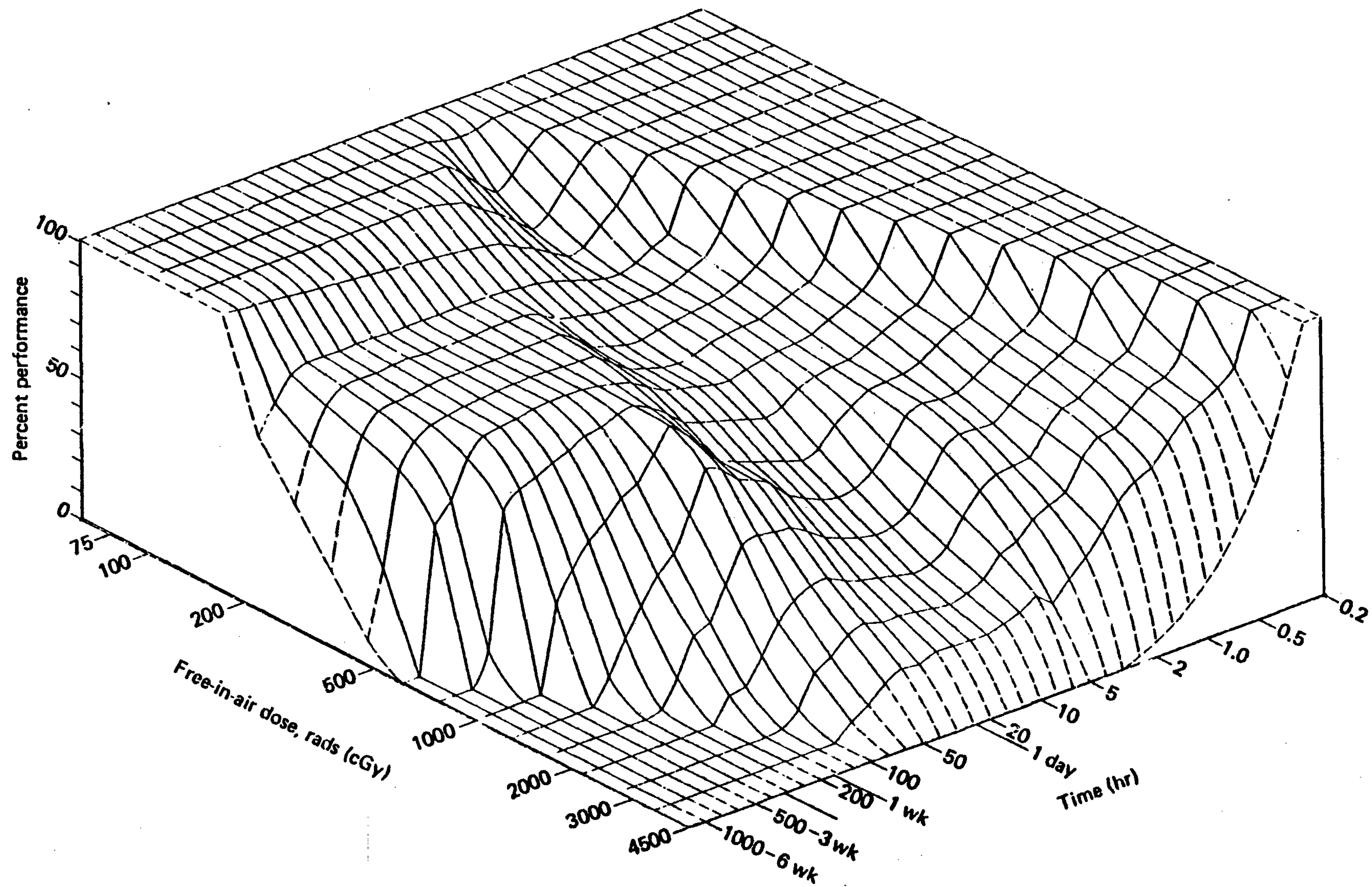



Figure 50. Performance surface: FDC crew, computer.

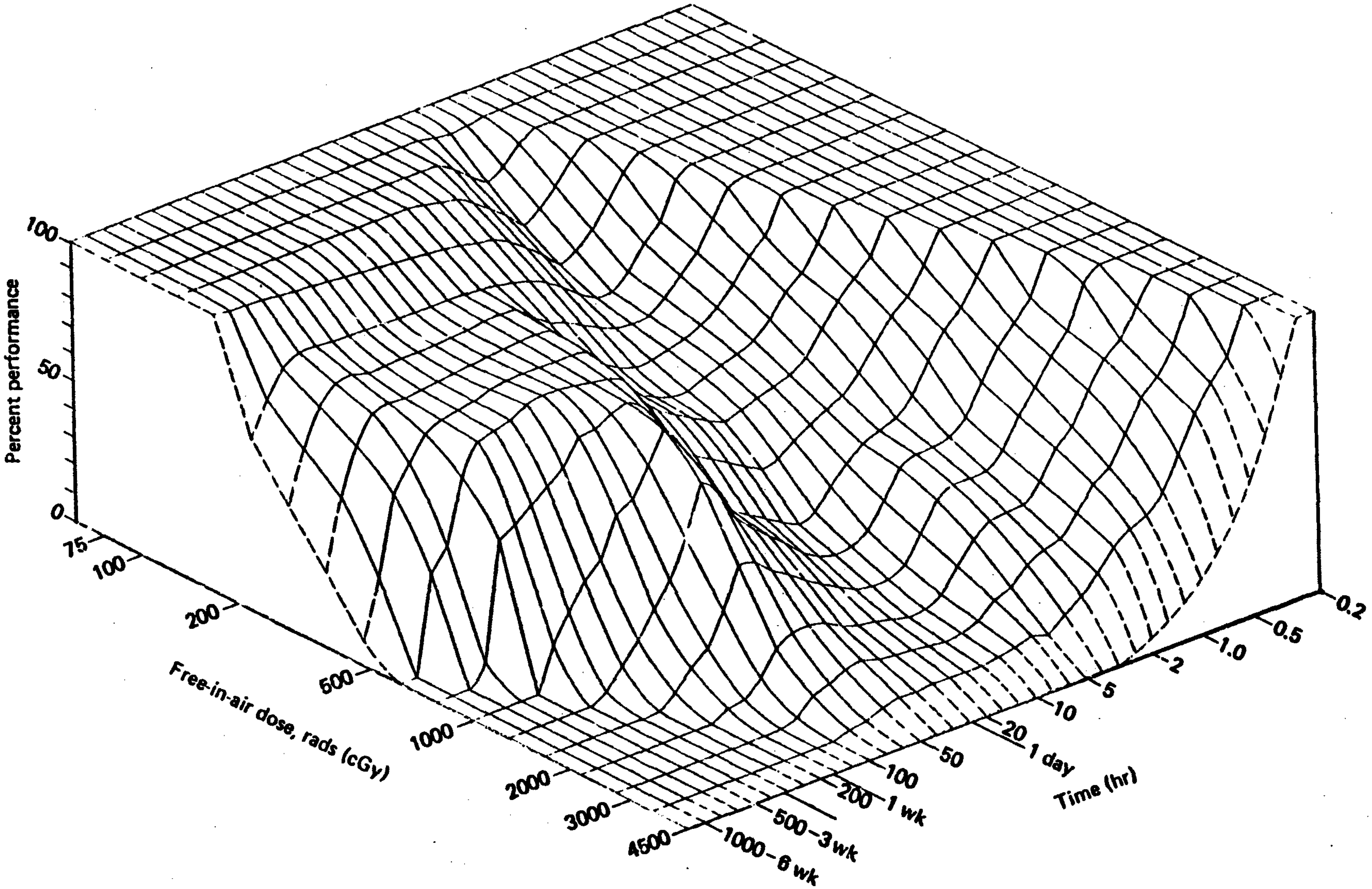



Figure 51. Performance surface: tank crew, tank commander.

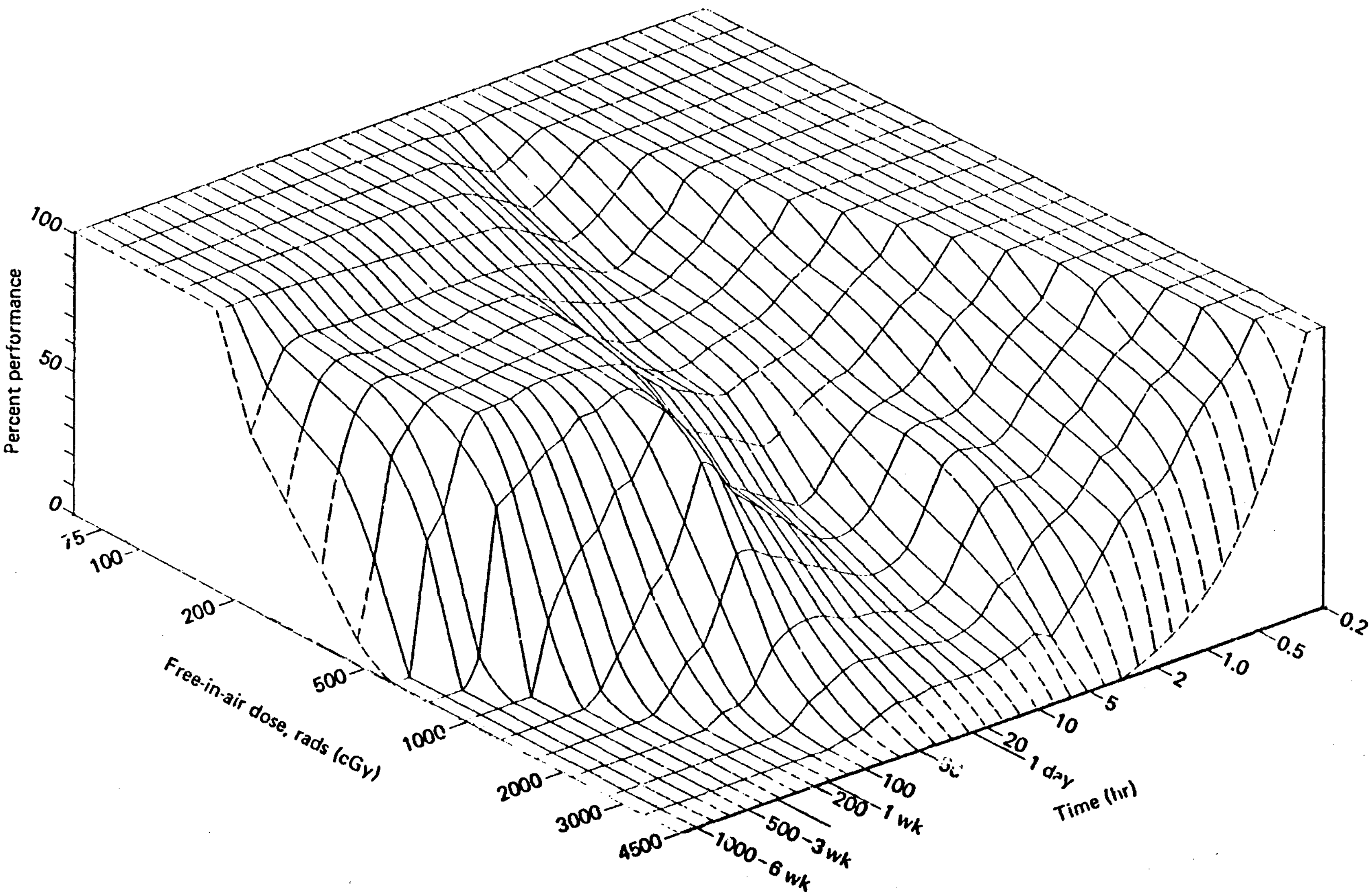



Figure 52. Performance surface: tank crew, gunner.

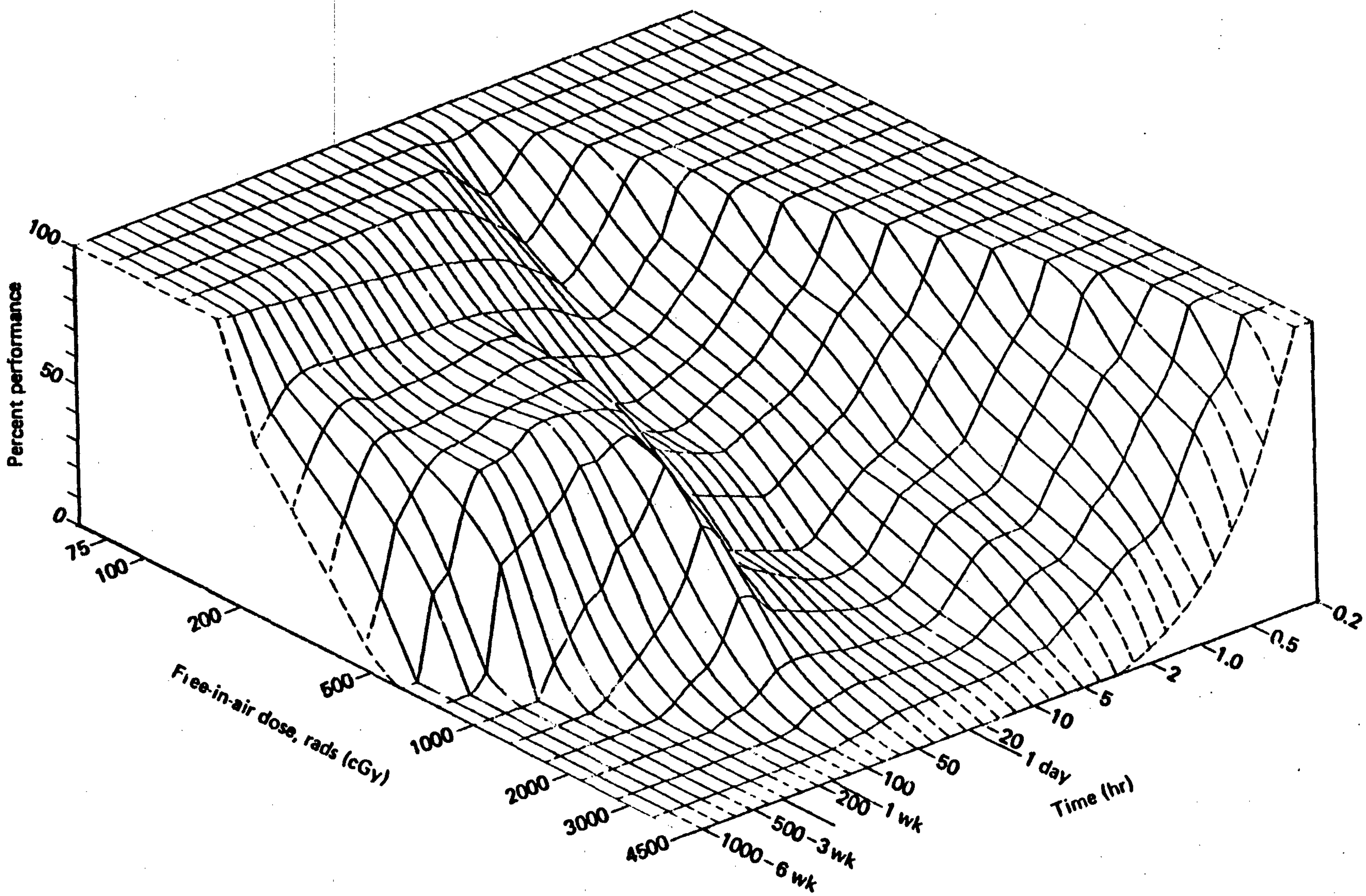



Figure 53. Performance surface: tank crew, loader.

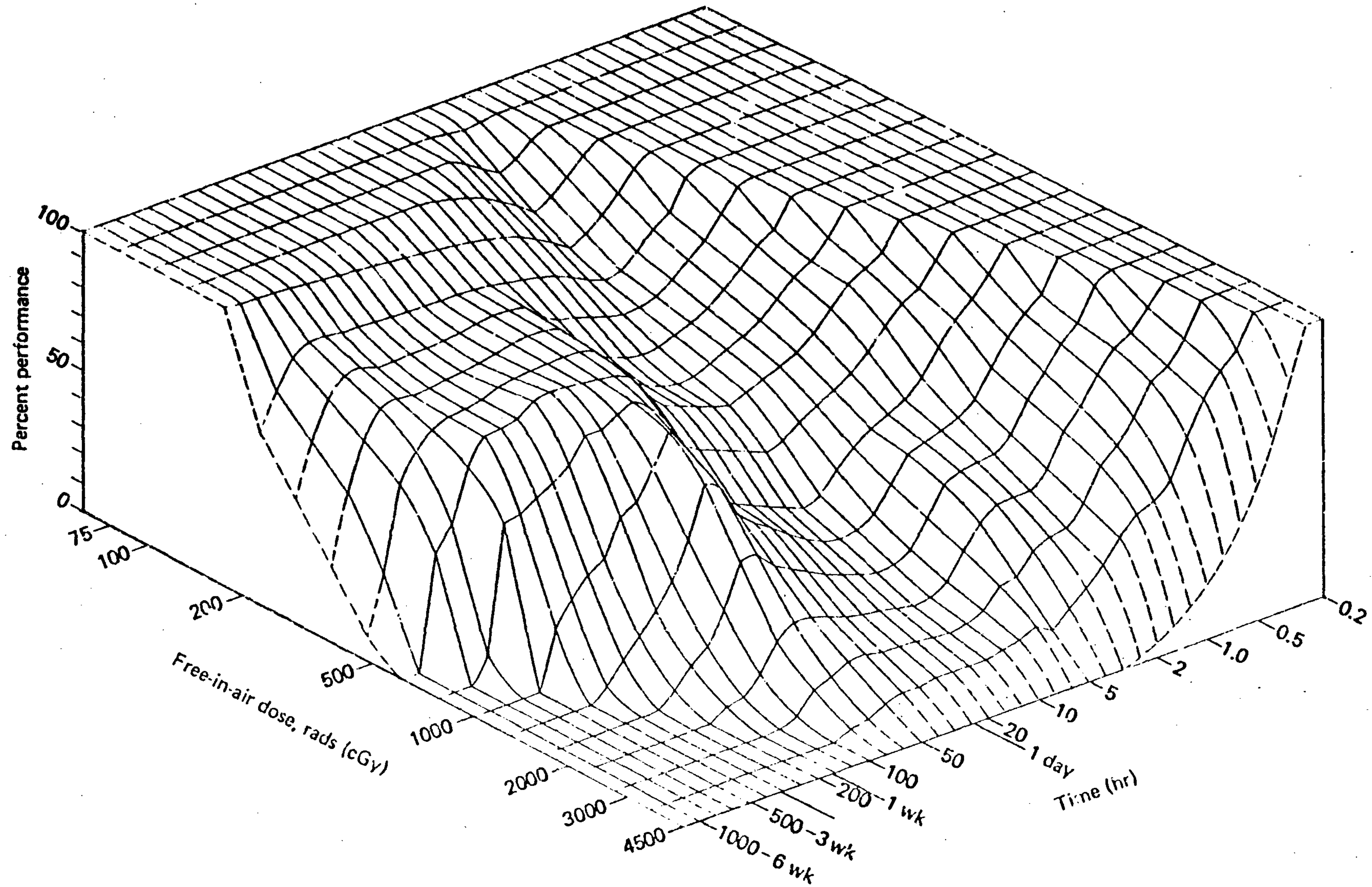



Figure 54. Performance surface: tank crew, driver.

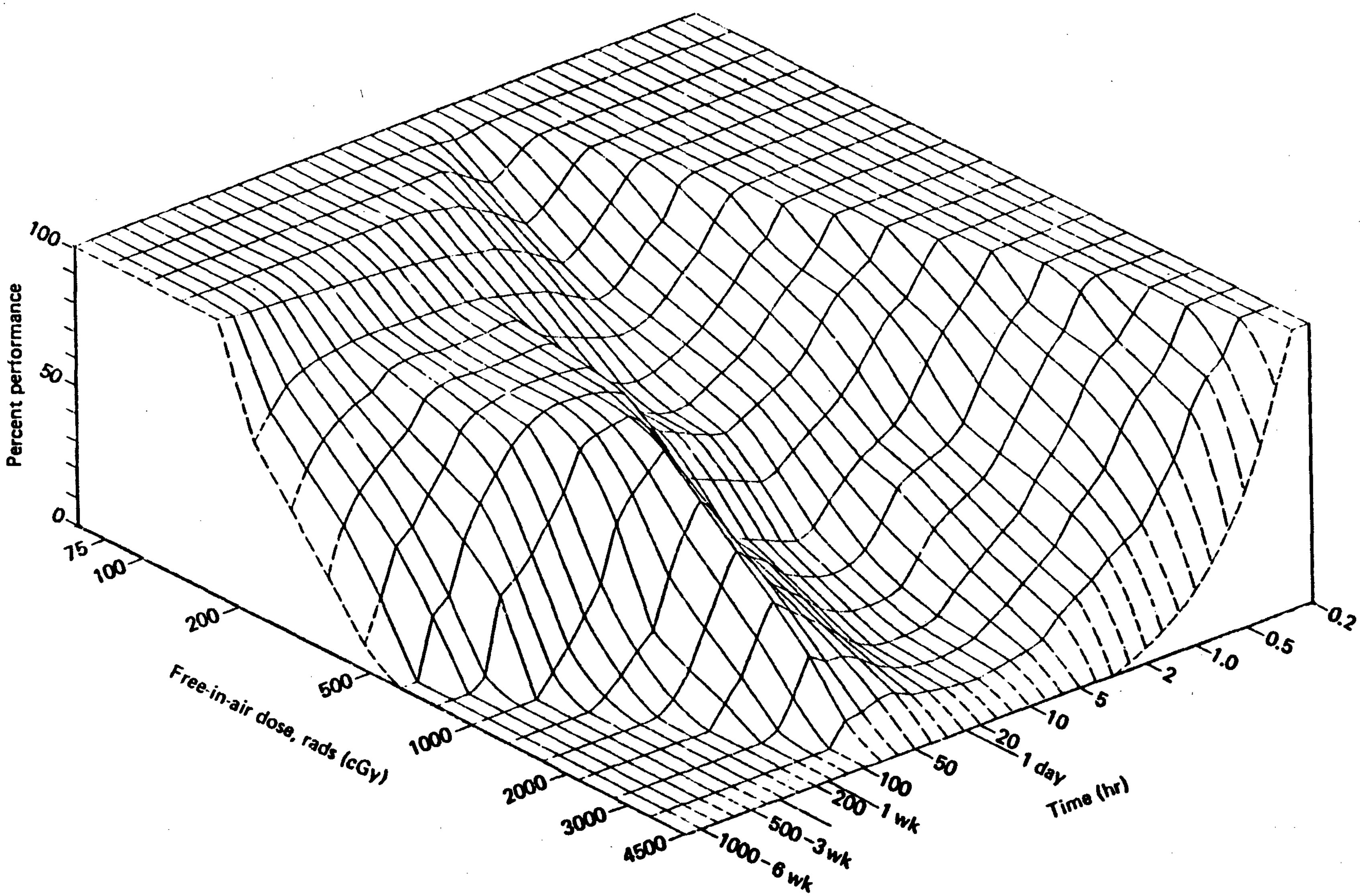



Figure 55. Performance surface: TOW crew, squad leader.

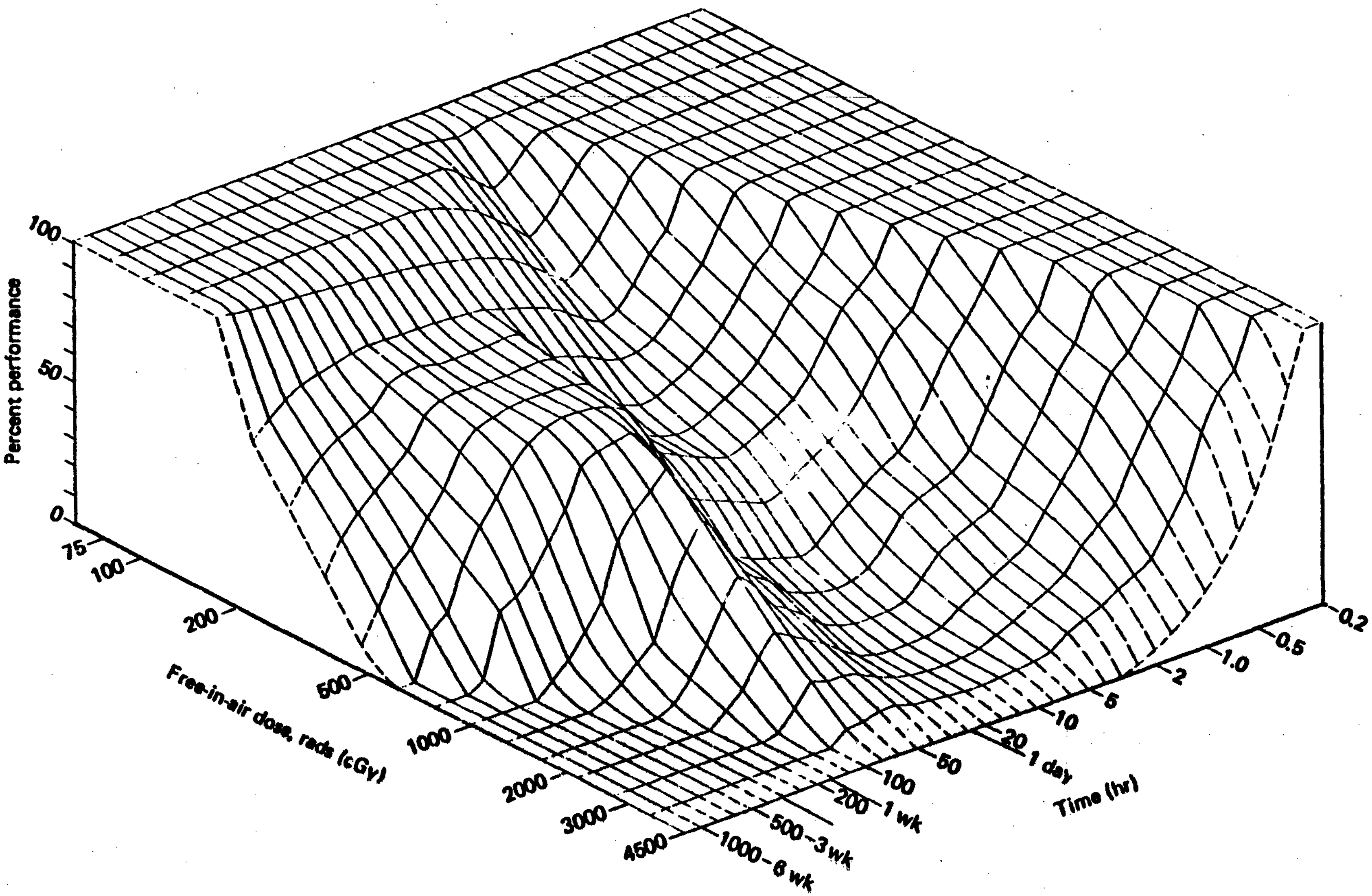



Figure 56. Performance surface: TOW crew, gunner.

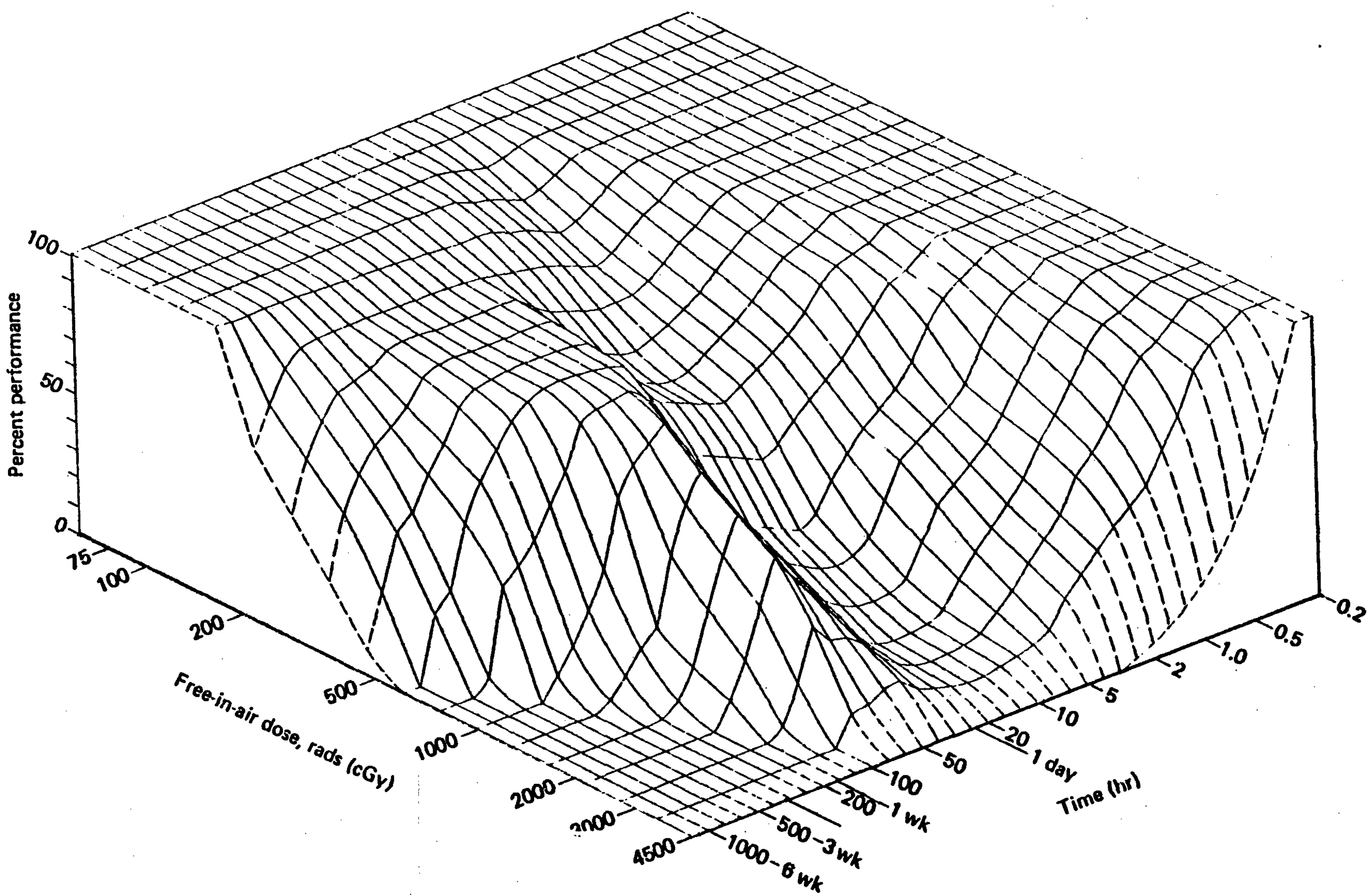



Figure 57. Performance surface: TOW crew, driver.

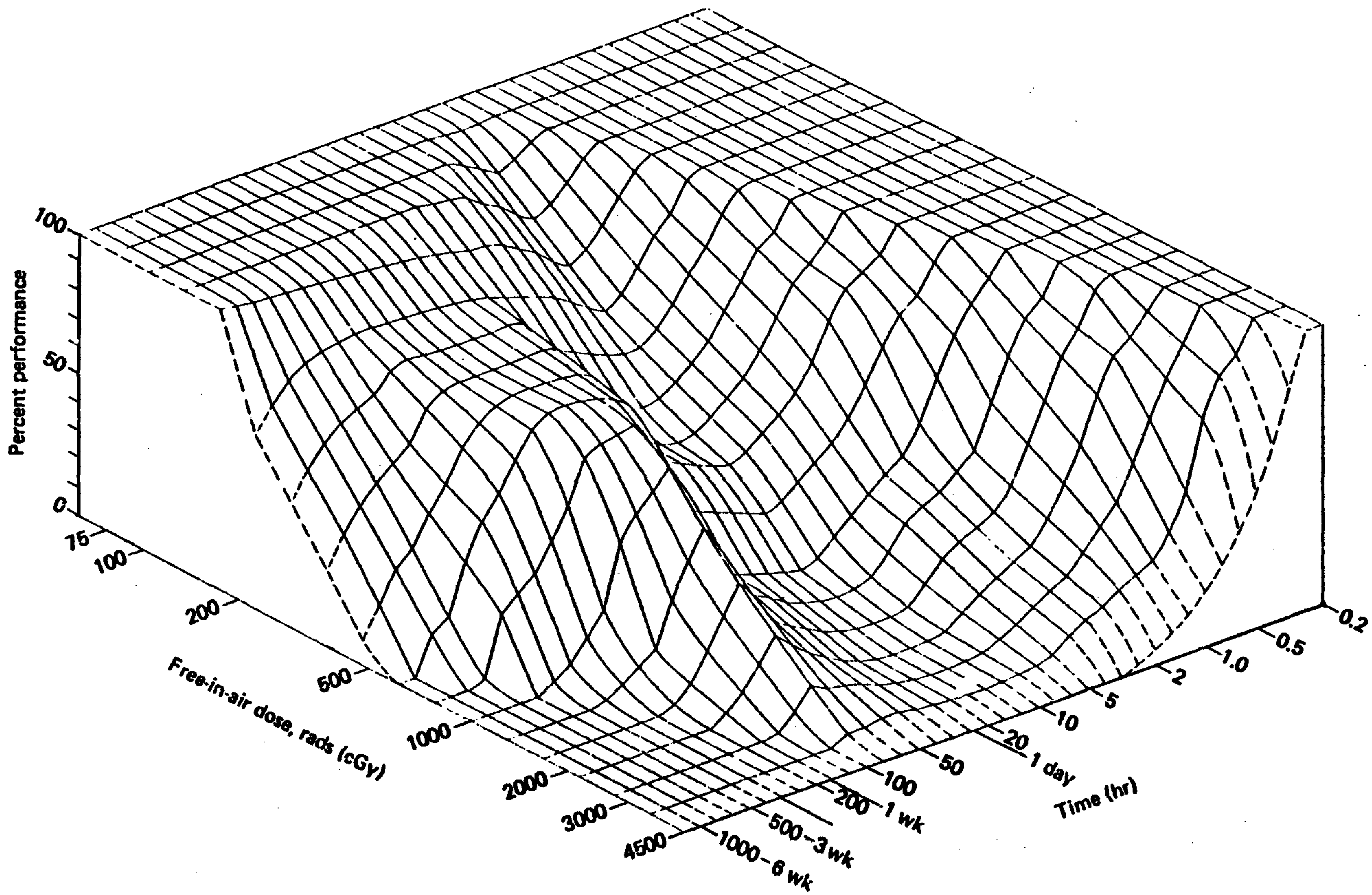



Figure 58. Performance surface: TOW crew, loader.

as the boundary conditions are not based explicitly on input data, the dashed portions reflect a greater degree of uncertainty as compared with the solid grid lines.

Surface depressions indicate where performance becomes degraded. The initial overall depression is related to the prodromal symptomatology, which includes nausea, vomiting, fatigue, weakness, and initial fluid loss [also hypotension and fever at the higher doses beginning at around 1100 to 1500 rads (cGy)]; gastrointestinal effects, because of their relatively lower expected incidence--10 to 30 percent [Baum et al., 1983]--are not included in Figs. 44 through 58.* The broad rise in the performance surfaces toward the left side of the graphs is related to some remission of the prodromal symptoms, prior to the onset of delayed ones (manifest illness period) such as infection, bleeding, fever, lower gastrointestinal distress, fluid loss, and reoccurrence of symptoms such as nausea, vomiting, fatigability, and weakness. For doses exceeding around 600 rads (cGy), the height and width of the rise progressively disappear, reflecting reduced recovery consistent with the increasingly severe symptomatology [Baum et al., 1983].

At the high-dose edge of the plots, the downward slope of the surface near the boundary is more apparent the higher the performance estimates, e.g., as in Fig. 50 for the FDC computer crewmember. That effect is due to matching the boundary condition using the logit model for the regression predictions. For example, in excess of about 3 hr, the boundary condition is assumed to be zero, whereas the logit form predicts values that approach but do not equal zero.

## ISOPERFORMANCE CONTOURS

Isoperformance levels for the 15 crewmembers as a function of dose and time after exposure are given in Figs. 59 through 73. The contour level plots, shown in increments of 10 percent, can be used to extract performance estimates. The plots also contain estimates of the percent incidence of those expected to suffer from the effects of radiation

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*Performance surfaces that include early lower gastrointestinal effects are provided in Appendix H.

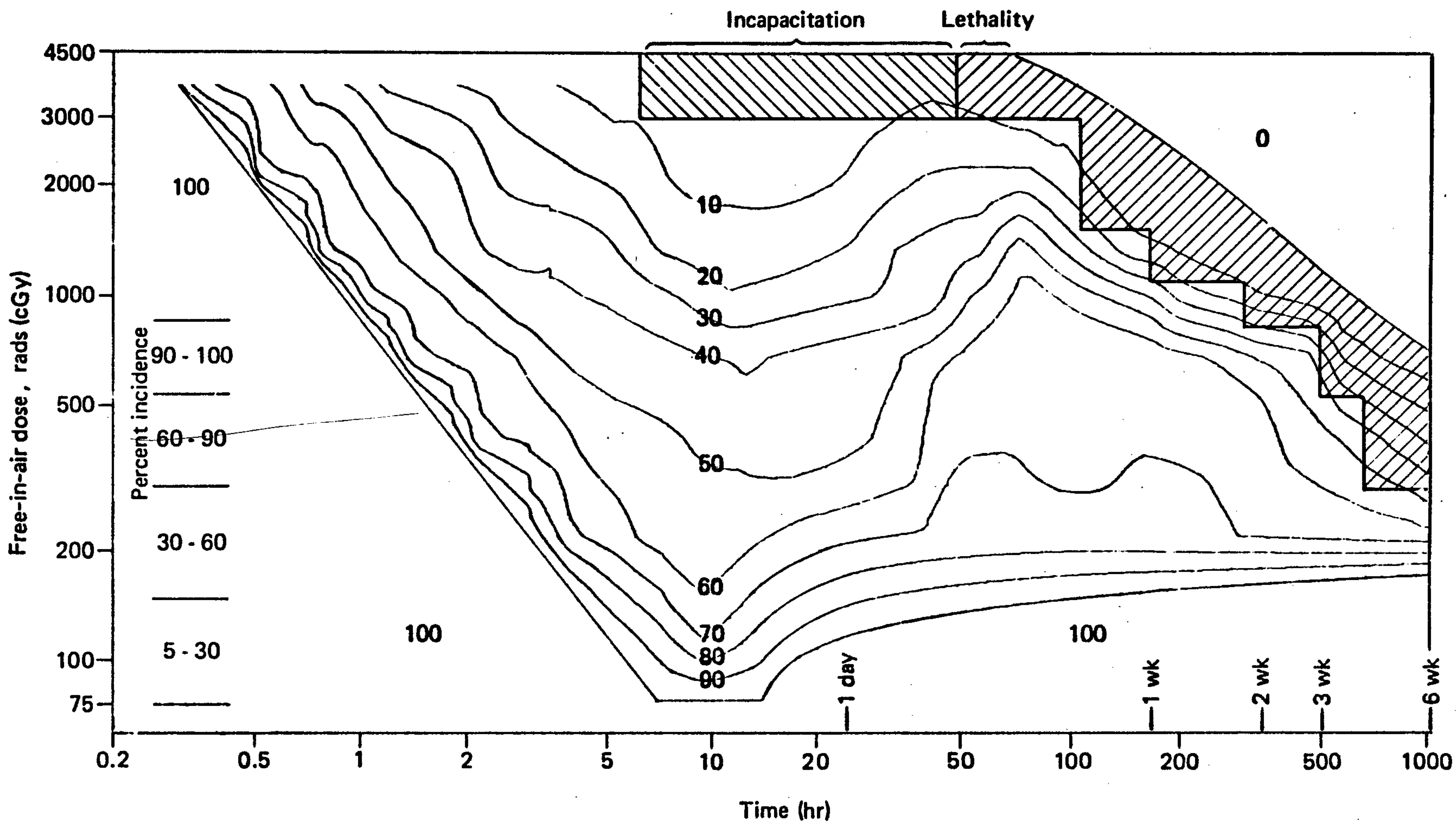


Figure 59. Performance contours, 10 percent performance intervals: gun crew, chief of section.

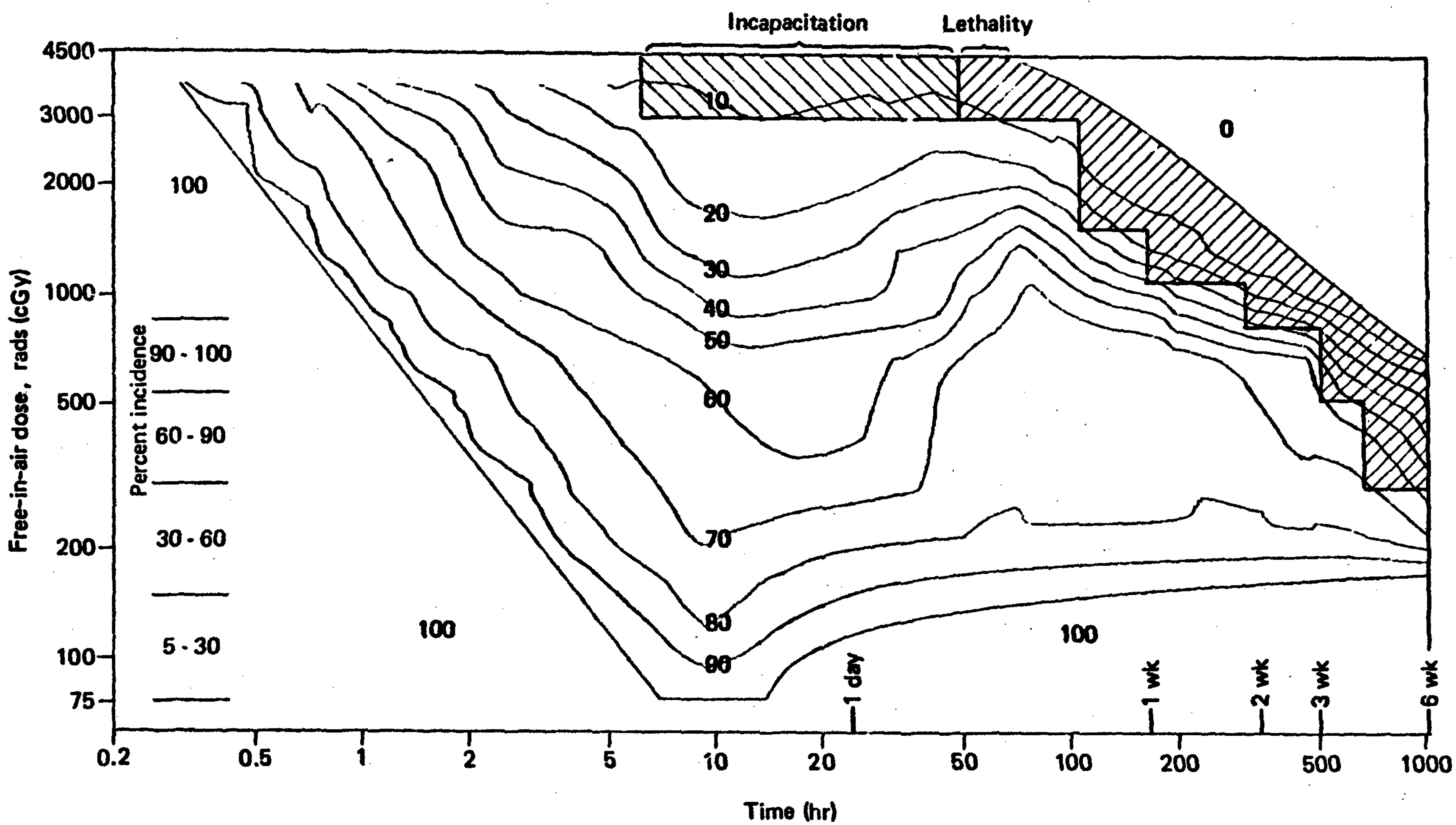


Figure 60. Performance contours, 10 percent performance intervals: gun crew, gunner.

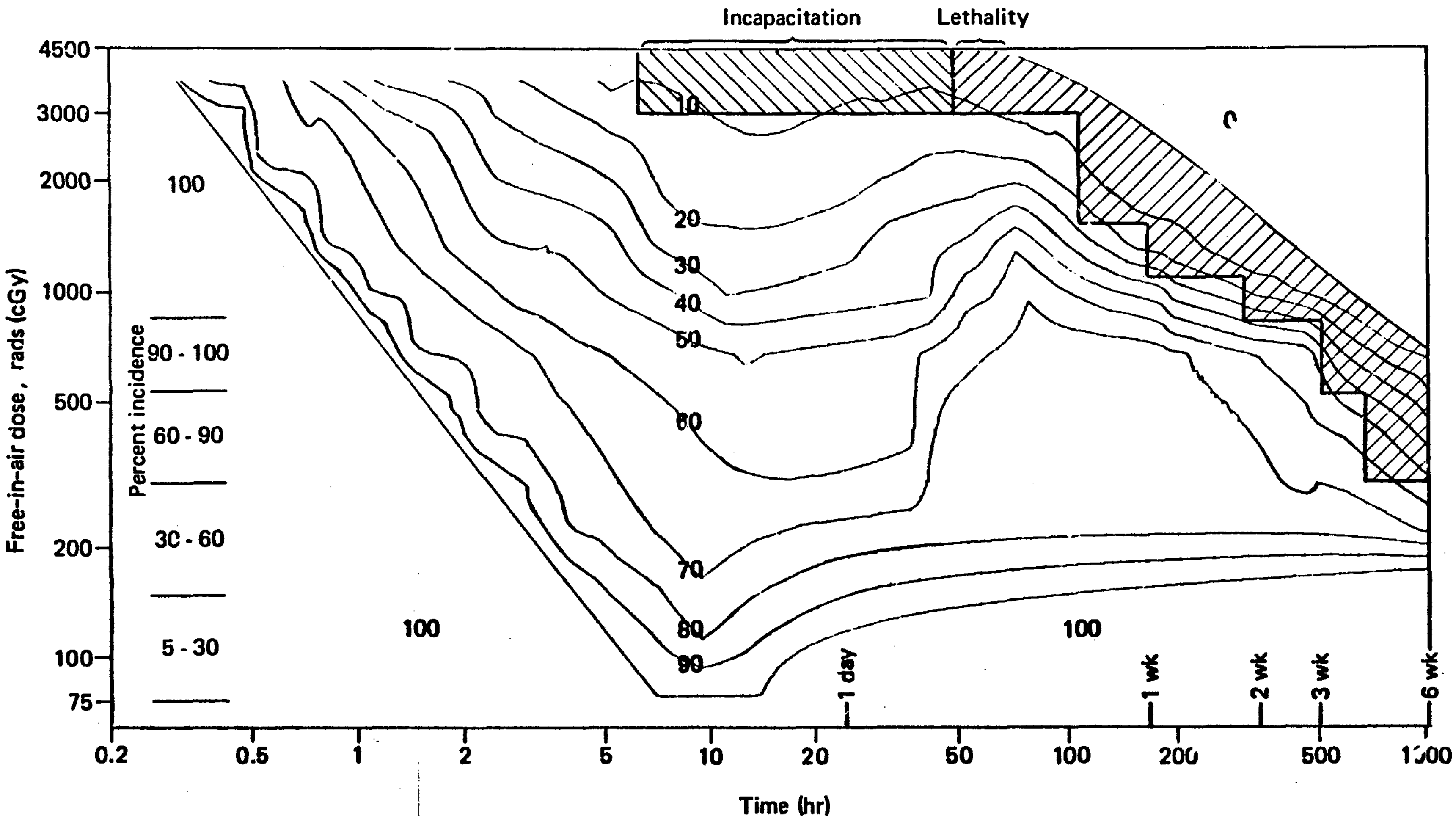


Figure 61. Performance contours, 10 percent performance intervals: gun crew, assistant gunner.

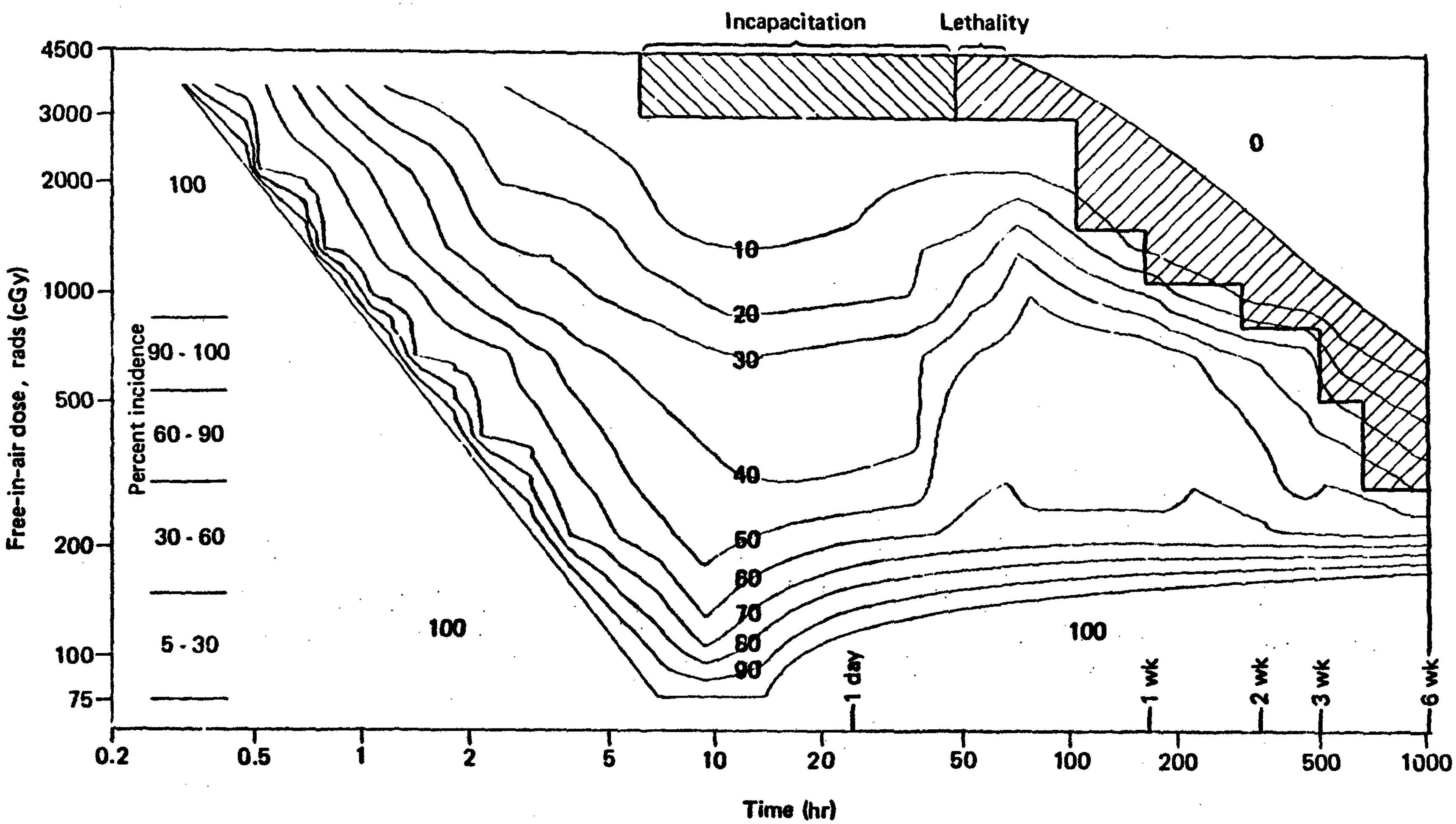


Figure 62. Performance contours, 10 percent performance intervals: gun crew, loader.

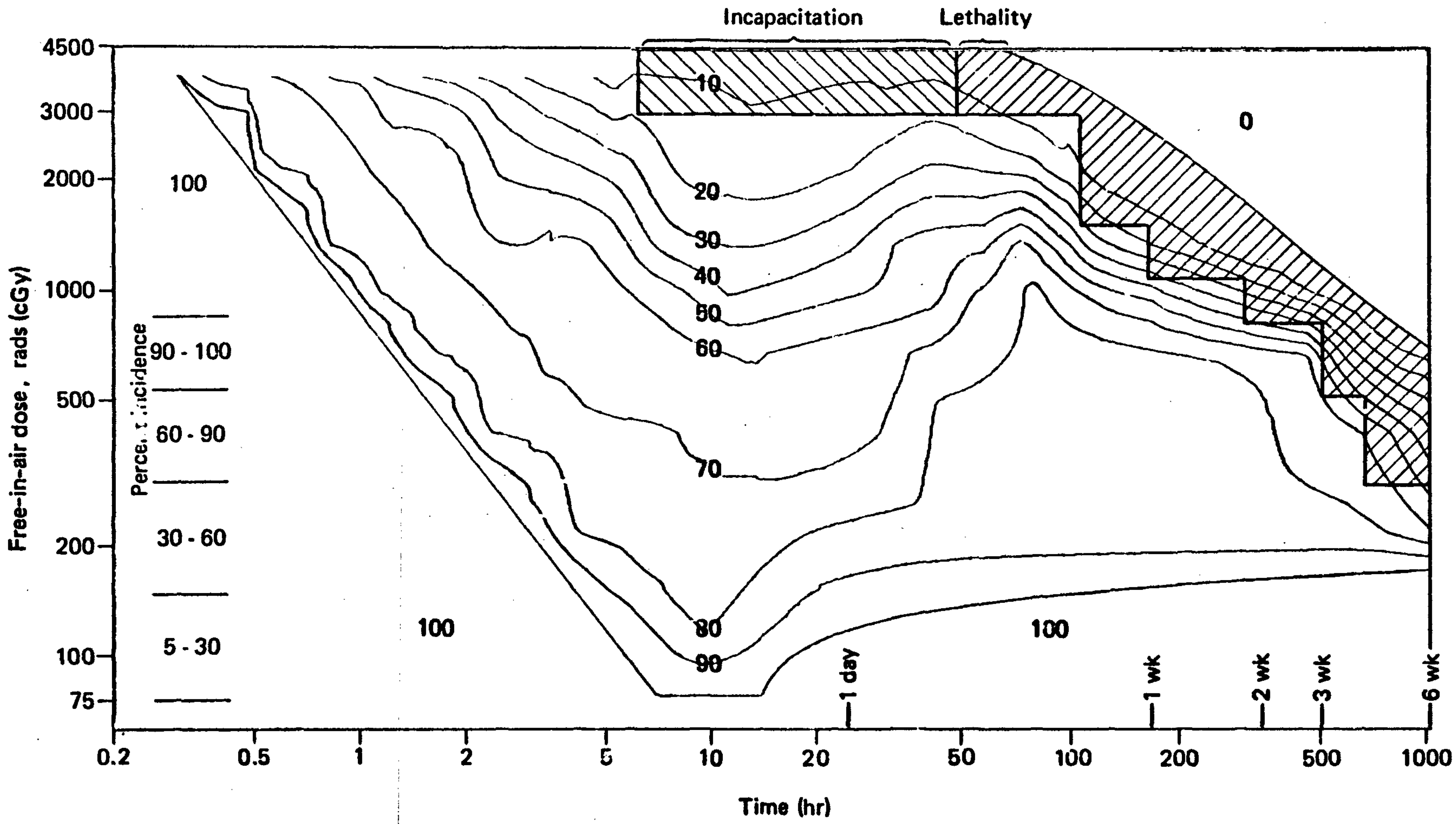


Figure 63. Performance contours, 10 percent performance intervals: FDC crew, fire direction officer.

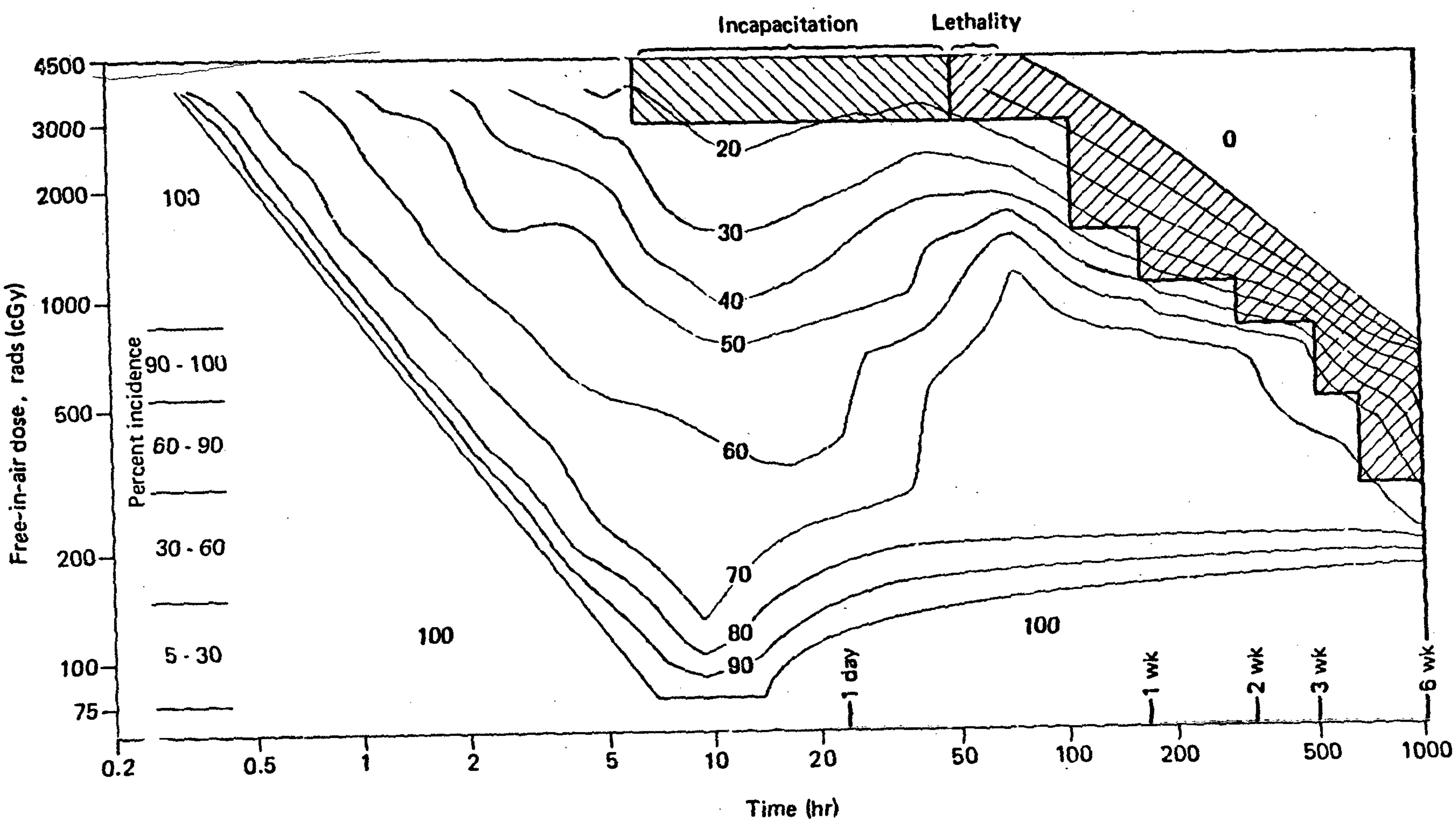


Figure 64. Performance contours, 10 percent performance intervals: FDC crew, horizontal control operator.

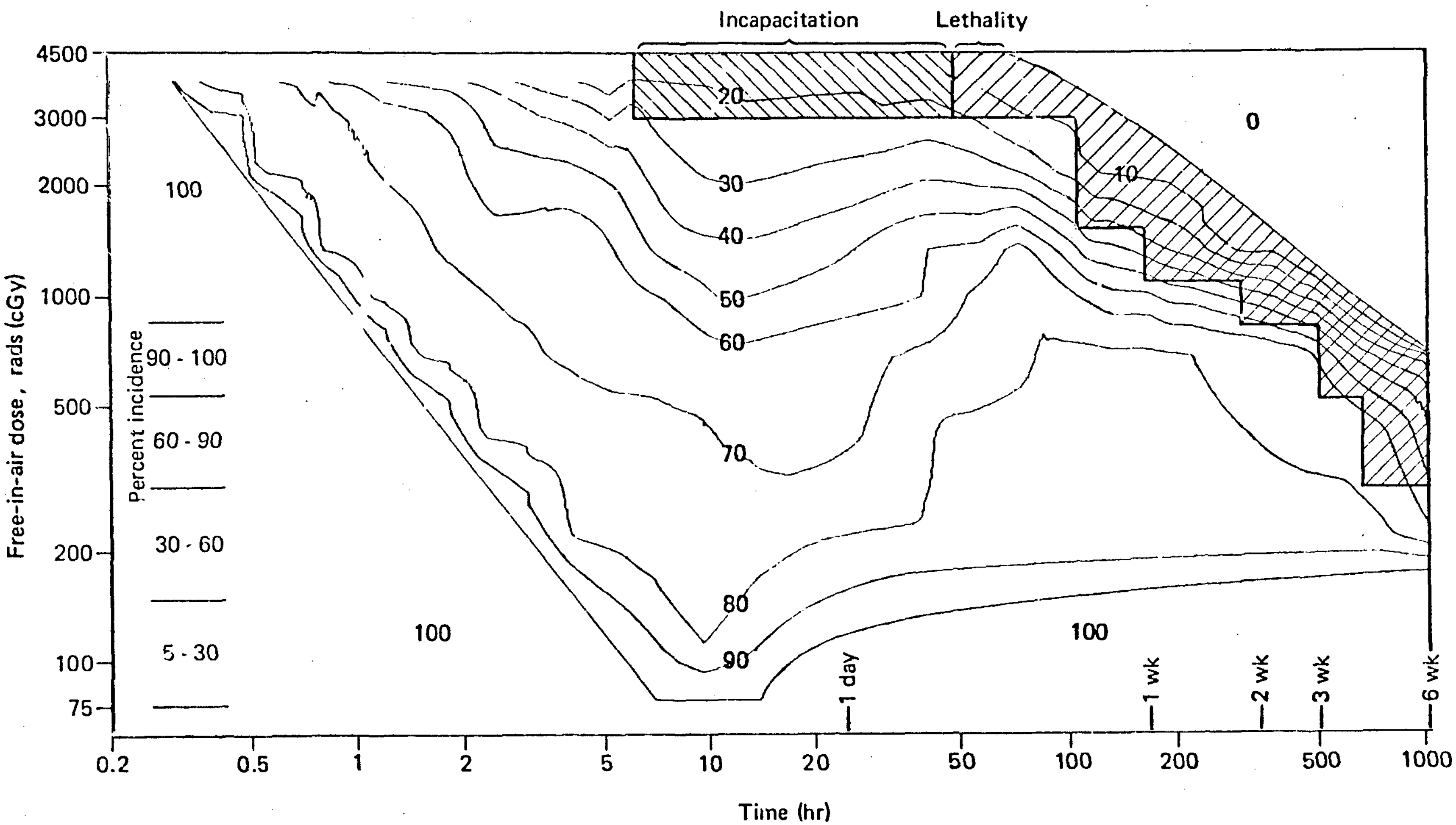


Figure 65. Performance contours, 10 percent performance intervals: FDC crew, computer.

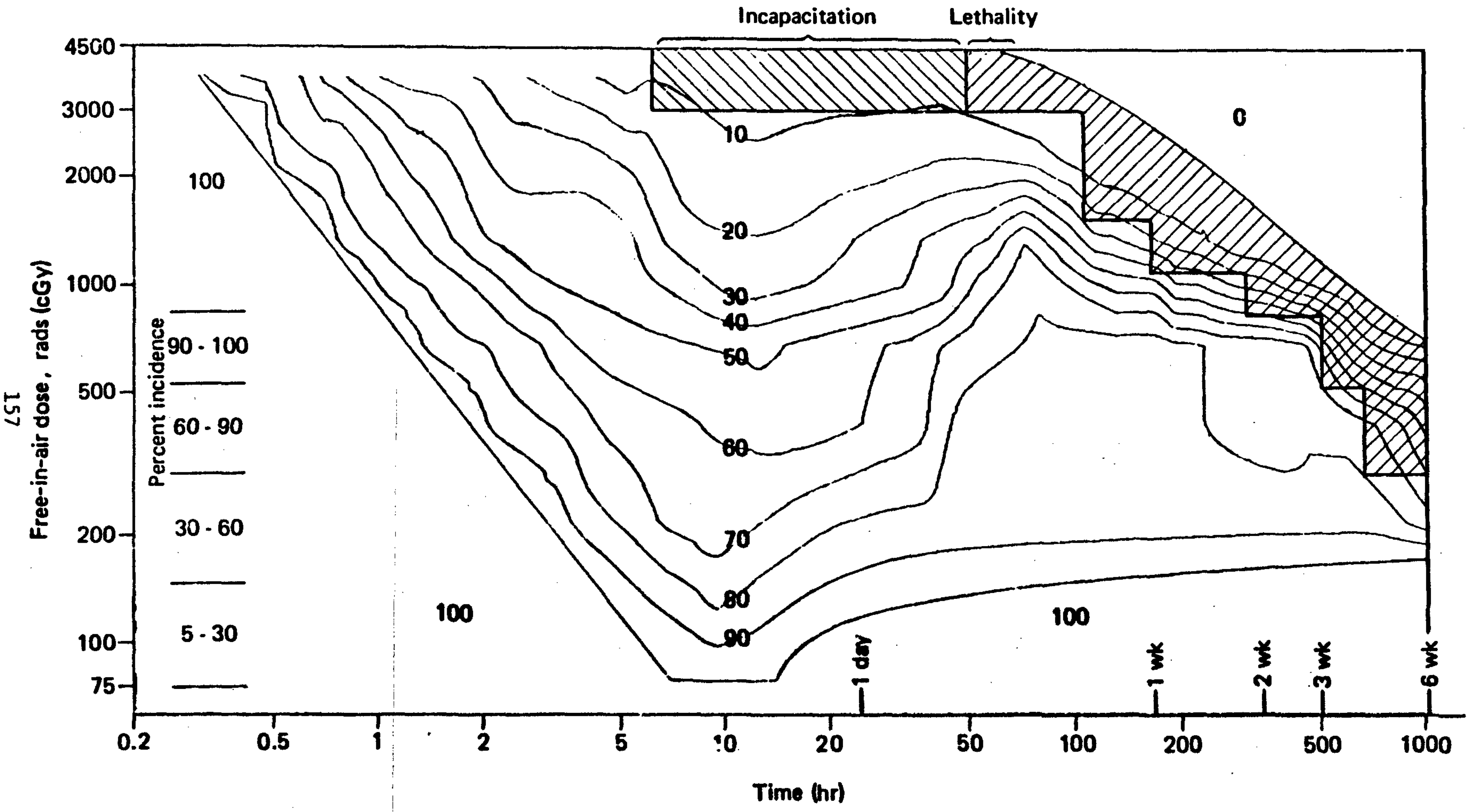


Figure 66. Performance contours, 10 percent performance intervals: tank crew, tank commander.

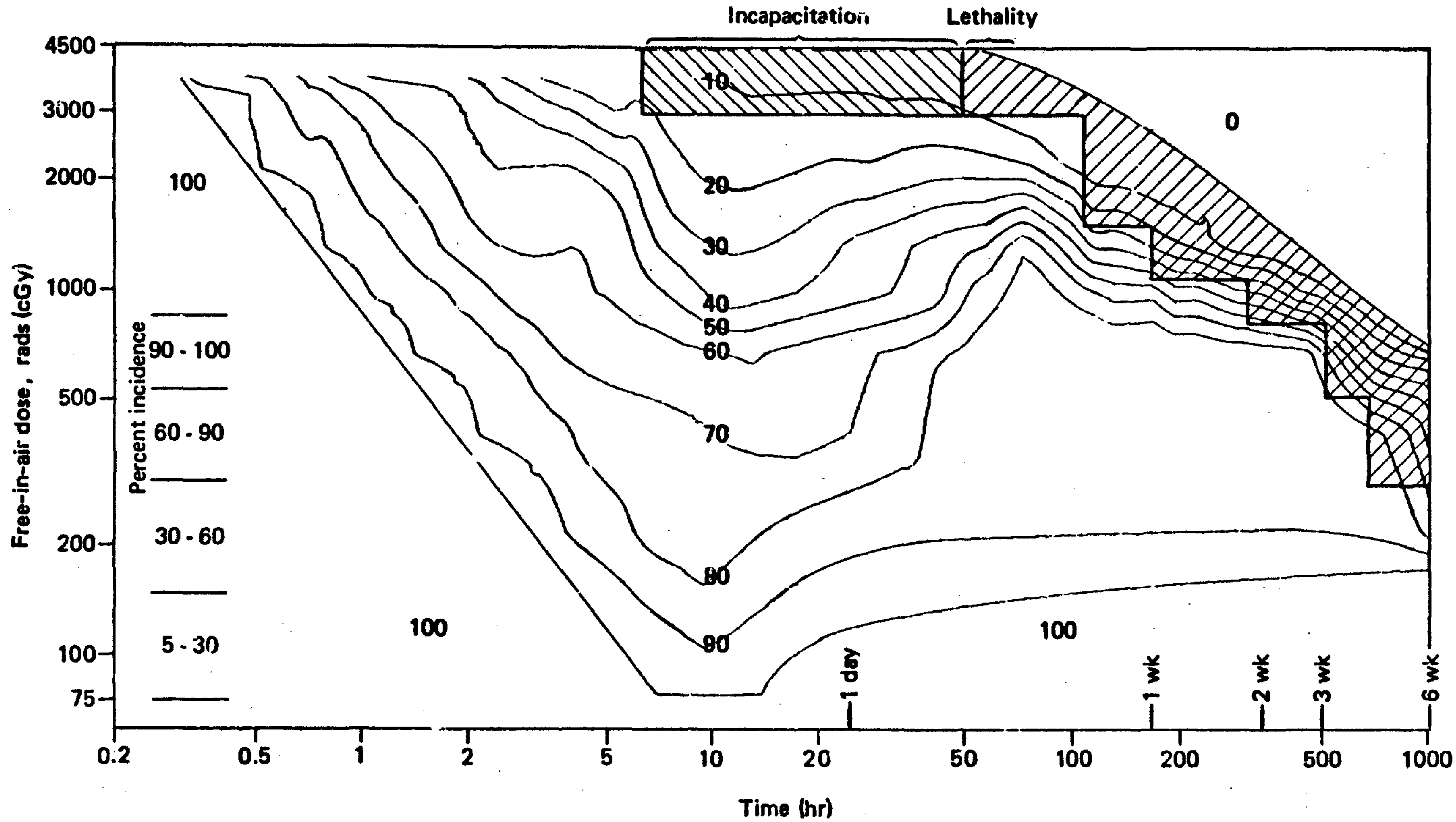


Figure 67. Performance contours, 10 percent performance intervals: tank crew, gunner.

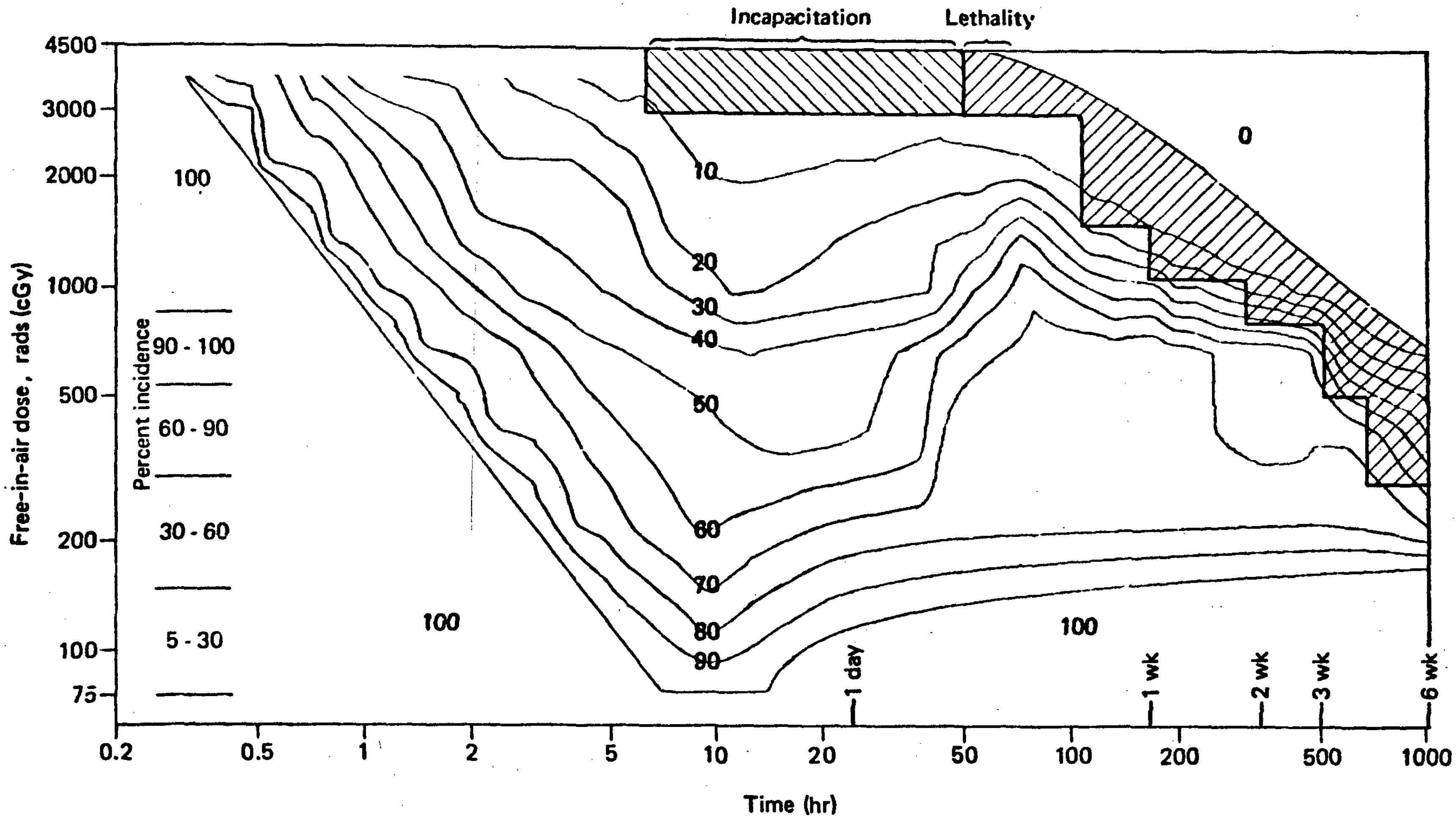


Figure 68. Performance contours, 10 percent performance intervals: tank crew, loader.

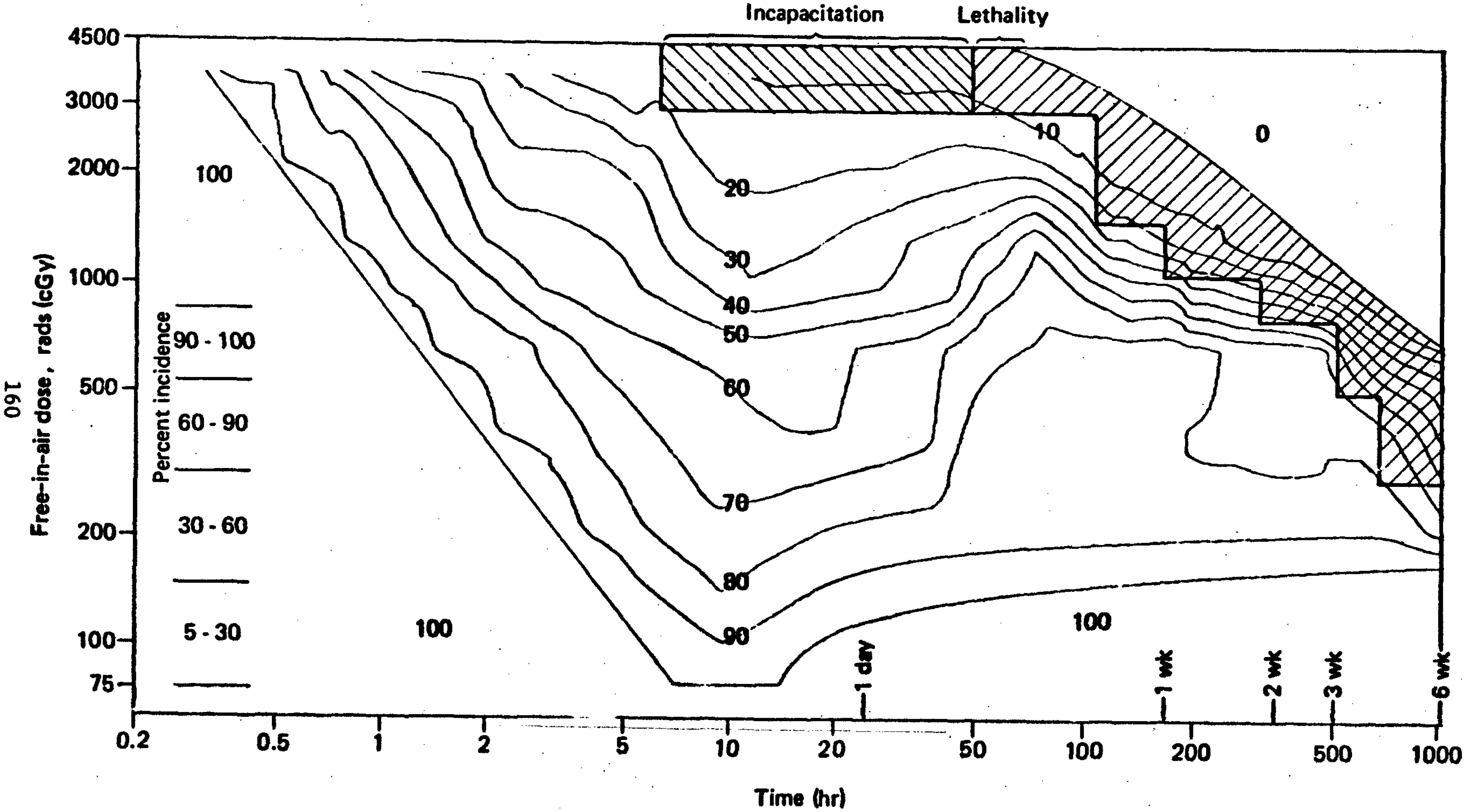


Figure 69. Performance contours, 10 percent performance intervals: tank crew, driver.

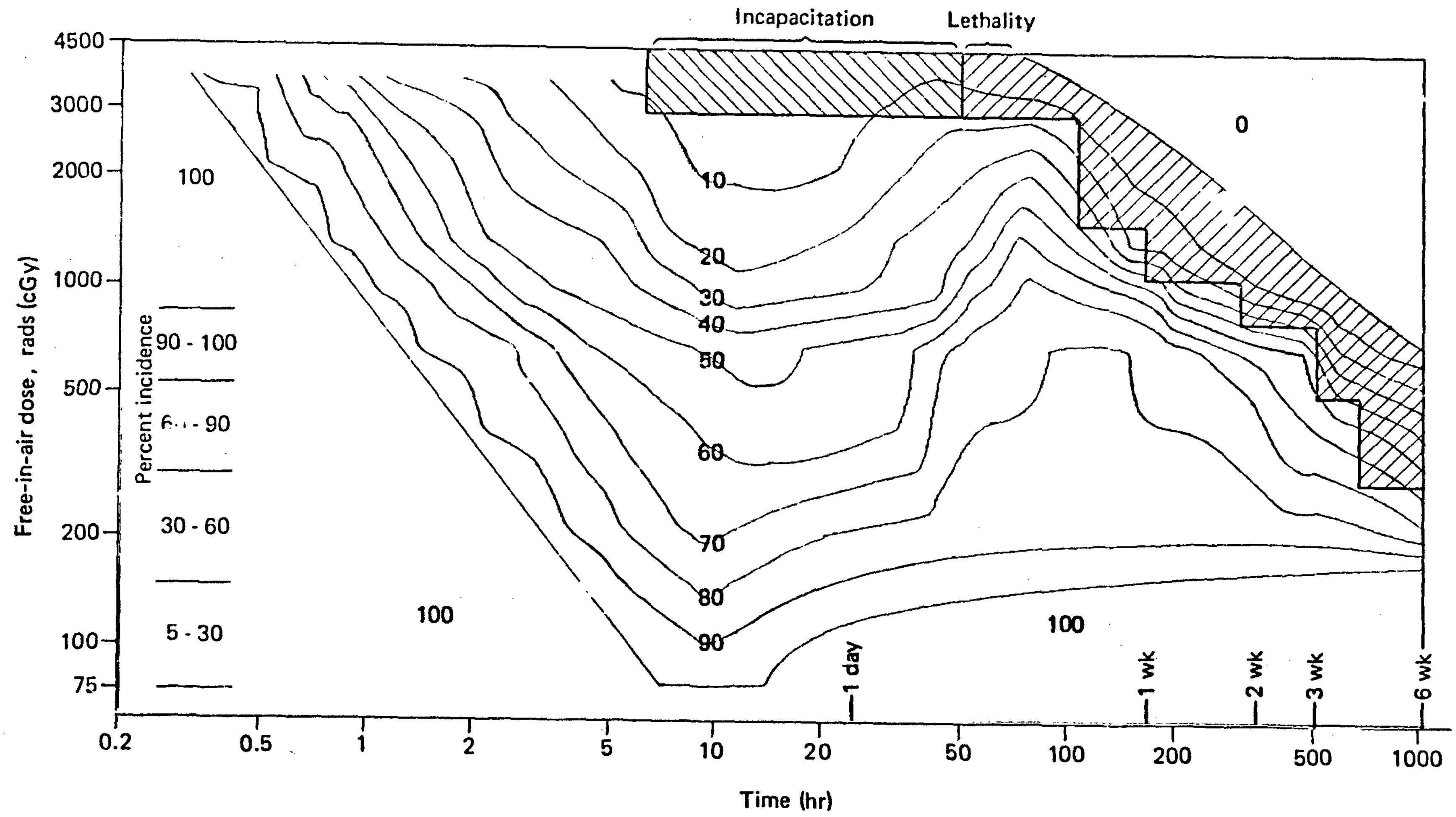


Figure 70. Performance contours, 10 percent performance intervals: TOW crew, squad leader.

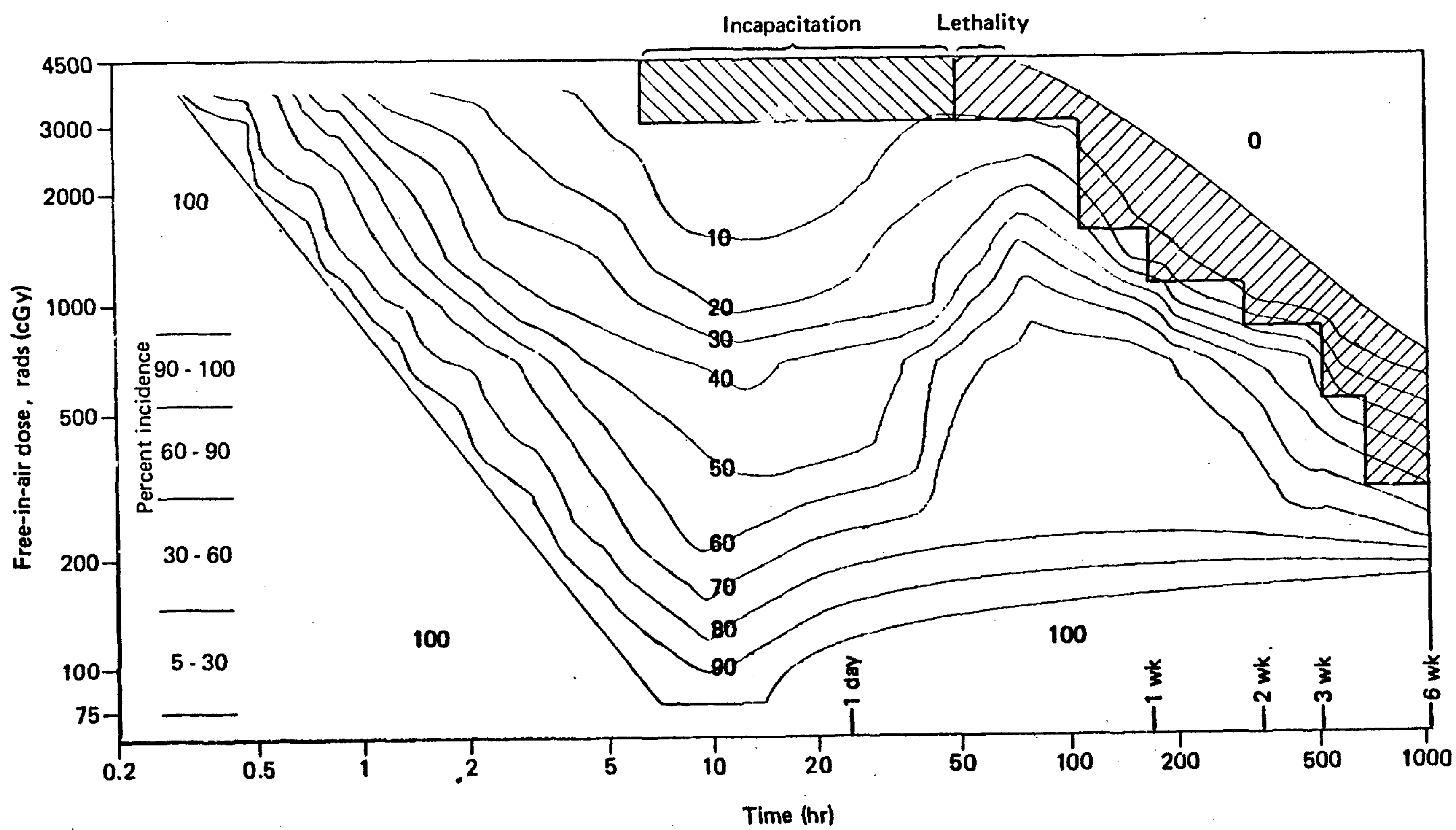


Figure 71. Performance contours, 10 percent performance intervals: TOW crew, gunner.

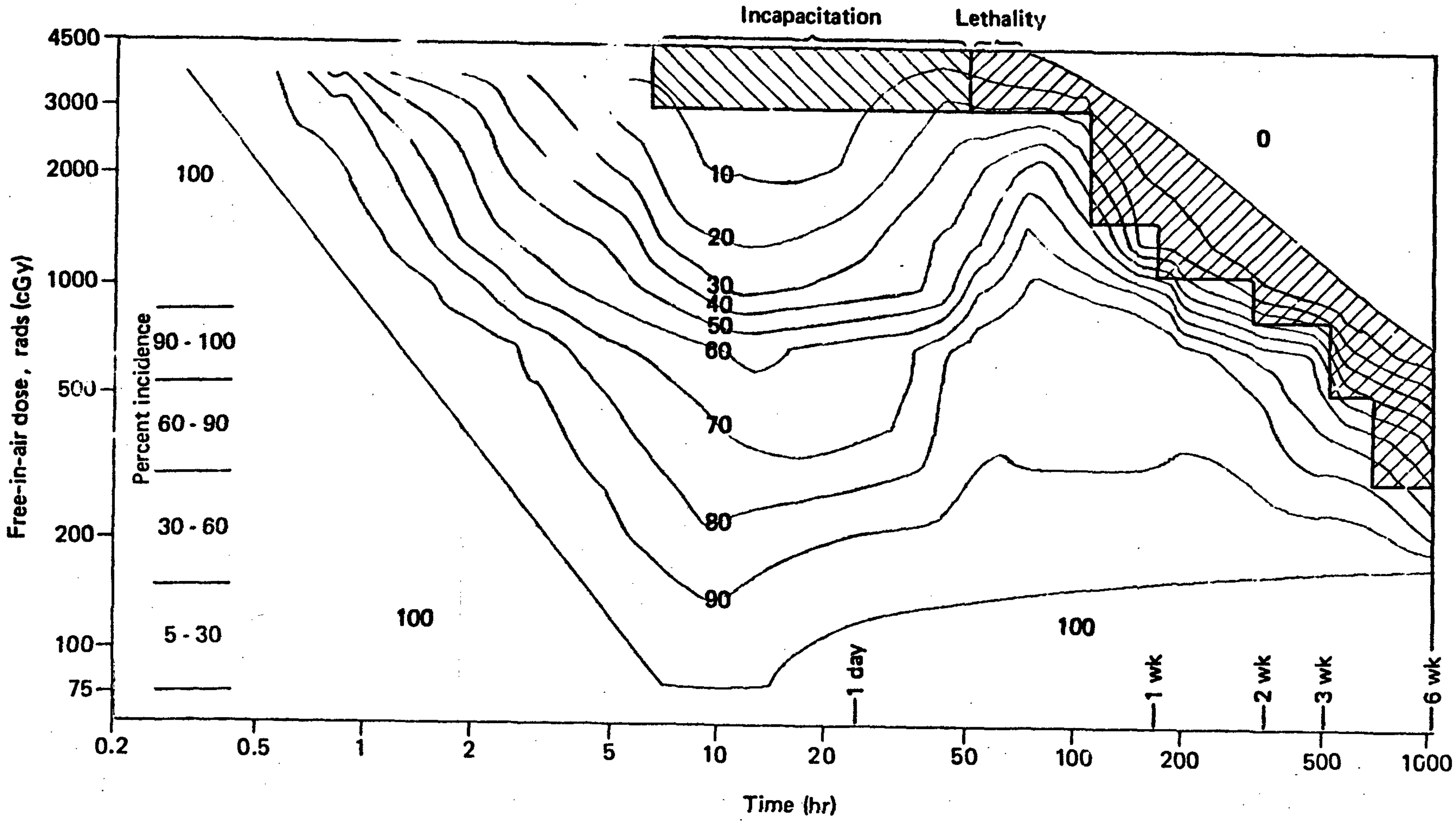


Figure 72. Performance contours, 10 percent performance intervals: TOW crew, driver.

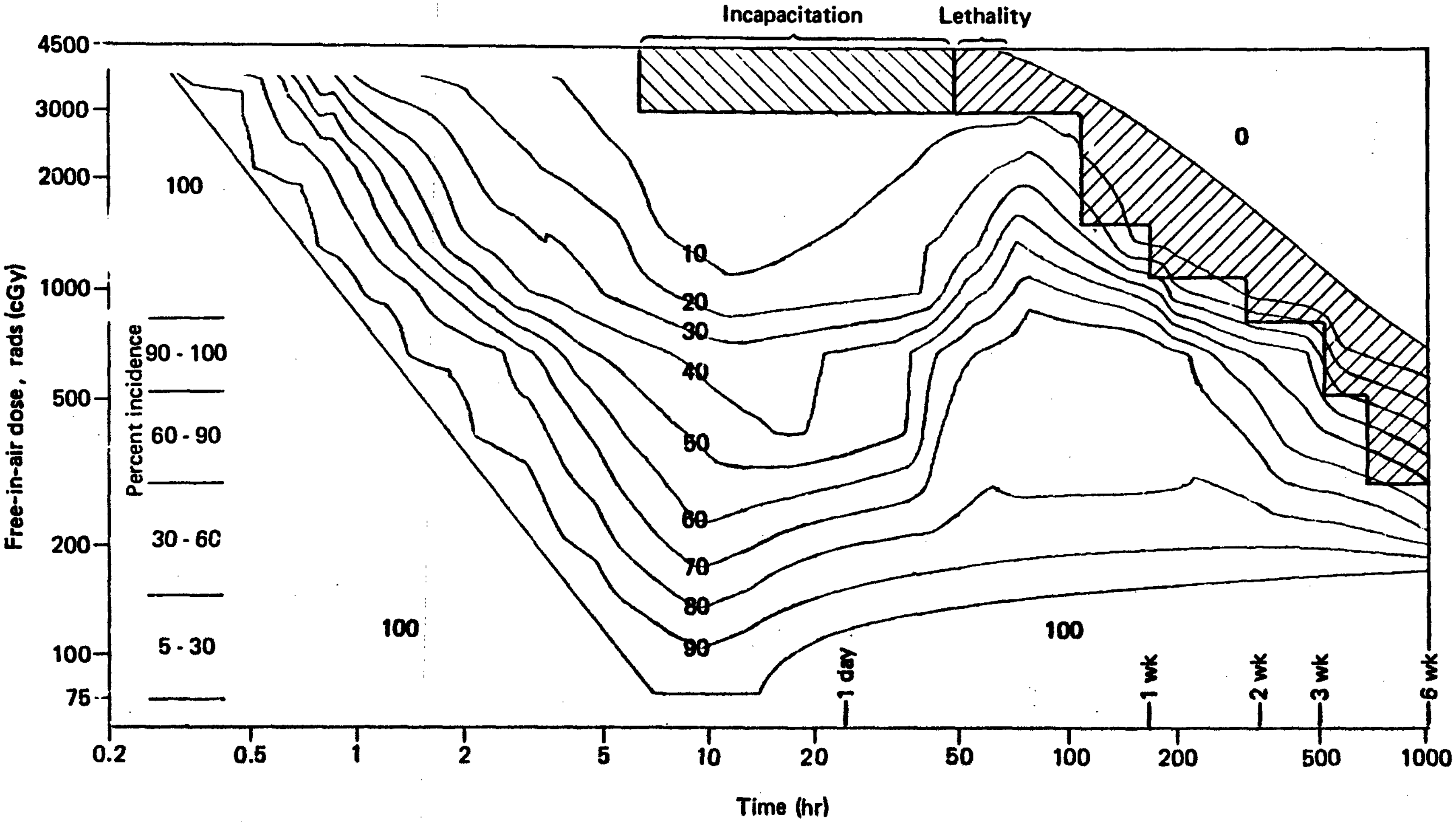


Figure 73. Performance contours, 10 percent performance intervals: TOW crew, loade..

exposure based on Baum et al. [1983] which affect performance as indicated on the plots. The percent incidence is given along the left side of the plots for the designated dose ranges, commencing from 5 to 30 percent for the lowest dose range [75 to 150 rads (cGy)] and reaching 100 percent at and above 830 rads (cGy).

Any point along the isoperformance contour curves defines a dose level and postexposure time that correspond to the performance level of the contour. The performance profile over time, following exposure to a given dose, can be readily constructed from the performance contour plots by ascertaining the times where a given dose level intersects with the performance contour curves. For example, in Fig. 60 the estimated performance for the gun crew gunner exposed to 500 rads (cGy) would be 100 percent up to 1.5 hr following exposure; about 90 percent close to 1.8 hr; 80 percent at 3 hr; 70 percent at 4.5 hr; 60 percent at 10 hr; between 50 and 60 percent from 10 to 30 hr; 70 percent at 40 hr; between 70 and 80 percent from 40 hr to 2 weeks; etc.

The performance contour levels for all crewmember positions are constrained within a common dose/time boundary, since a uniform set of boundary conditions were specified [0 percent for the upper-right-hand corner and top of the 4500 rads (cGy) dose level, and 100 percent on the left-hand and bottom portions].

However, we point out here that the stairstep boundary beginning at 48 hr for the highest dose range [3000 to 4500 rads (cGy)] indicates where lethality commences [Baum et al., 1983] (see also Figs. 40 and 41). The time increment between the stairstep boundary and the outermost curve in the upper-right-hand corner, which we designate as the zero performance boundary for the performance level computations, represents the period over which the vast majority of lethalities would be expected to take place. Accordingly, we believe that although our computations indicate some level of performance in the period shown by the contour curves, they should be regarded with extreme caution. The authors also point out that the period extending from about 7 to 48 hr for the highest dose range [3000 to 4500 rads (cGy)] is spanned by symptom complexes (Figs. 40 and 41) that correspond to symptom descriptions including "exhausted with almost no strength," "faints upon standing quickly,"

"in shock," and "prostrate" [Anno and Wilson, 1983]. Again, the performance contours in that region, which we term as "incapacitation" in the contour plots, should be similarly regarded with caution. Also, along the upper portion of the plots between 0.4 and 5 hr, we have not connected the contour lines to the upper boundary at the 4500 rad (cGy) level. That region represents an area of relative uncertainty, because of the effect of the imposed boundary condition where there are no explicit data (discussed on p. 149).

Along the left-hand edge of the contour plots near the boundary, the wave-like appearance of the 80 to 90 percent performance contour lines, as well as the 70 percent line for some cases, are a consequence of the selected discrete dose range structure (see Sec. 4) and the numerical mapping procedure described in Sec. 5. For convenience, those portions of the contour lines could be consider as straight lines, running diagonally between the "peaks and valleys," and be well within the uncertainty of the calculated values.

Differences in performance among the various crewmembers are more noticeable in the contour plots than in the three-dimensional surface plots. For example, let us examine the contour differences between the gun crew loader in Fig. 62 and the FDC crew computer in Fig. 65, which represent two extreme cases. The gun crew loader performs the most physically demanding set of tasks, which includes loading the heavy (about 100 lb) artillery projectile, whereas the computer in the FDC crew performs the least physically demanding tasks, which include selecting tabulated numerical data, performing computations with a hand-held calculator, and verbally communicating data.

## CREWMEMBER ROLE GROUPS

Graphical comparisons of the performance contours have been made by dividing the 15 combat crewmembers into five different groups based on the similarity of combat tasks they perform in each crew; the five groups and crewmembers included in each are shown in Table 31. The numbers in the column labeled "Identification" help in labeling the plots discussed below. The last group listed, FDC, consists of the horizontal control

Table 31. Crewmember groups.

| Group | Crewmember | Identification |
|---|---|---|
| Leader | Artillery--chief of section | 1 |
| | FDC--fire direction officer | 5 |
| | Tank--tank commander | 8 |
| | TOW--squad leader | 12 |
| Gunner | Artillery--gunner | 2 |
| | Artillery--assistant gunner | 3 |
| | Tank--gunner | 9 |
| | TOW--gunner | 13 |
| Loader | Artillery--loader | 4 |
| | Tank--loader | 10 |
| | TOW--loader | 15 |
| Driver | Tank--driver | 11 |
| | TOW--driver | 14 |
| FDC | FDC--horizontal control operator | 6 |
| | FDC--computer | 7 |

operator and the computer. Those crewmembers primarily perform cognitive, or the least physically demanding tasks. Graphical comparisons are made by plotting the contours for each of the five groups separately for three different performance levels: 30, 50, and 70 percent.

Thirty Percent Performance

Figures 74 through 78 are plots of the five groups at the 30 percent performance level. Figure 74 shows a fairly close grouping over dose and time with the fire direction officer generally at somewhat higher dose levels. Figure 75 shows a close grouping between the gunner and assistant gunner of the artillery crew, which makes sense, since they both perform essentially similar tasks. The tank and TOW gunners are at the high and low dose extremes, respectively. The loaders in Fig. 76 show a fairly consistent pattern--at least over the first two days following exposure--where the 50 percent performance level for the artillery, TOW, and tank loaders, respectively, are each at decreasing dose values. Since much of the loaders' tasks consist of handling

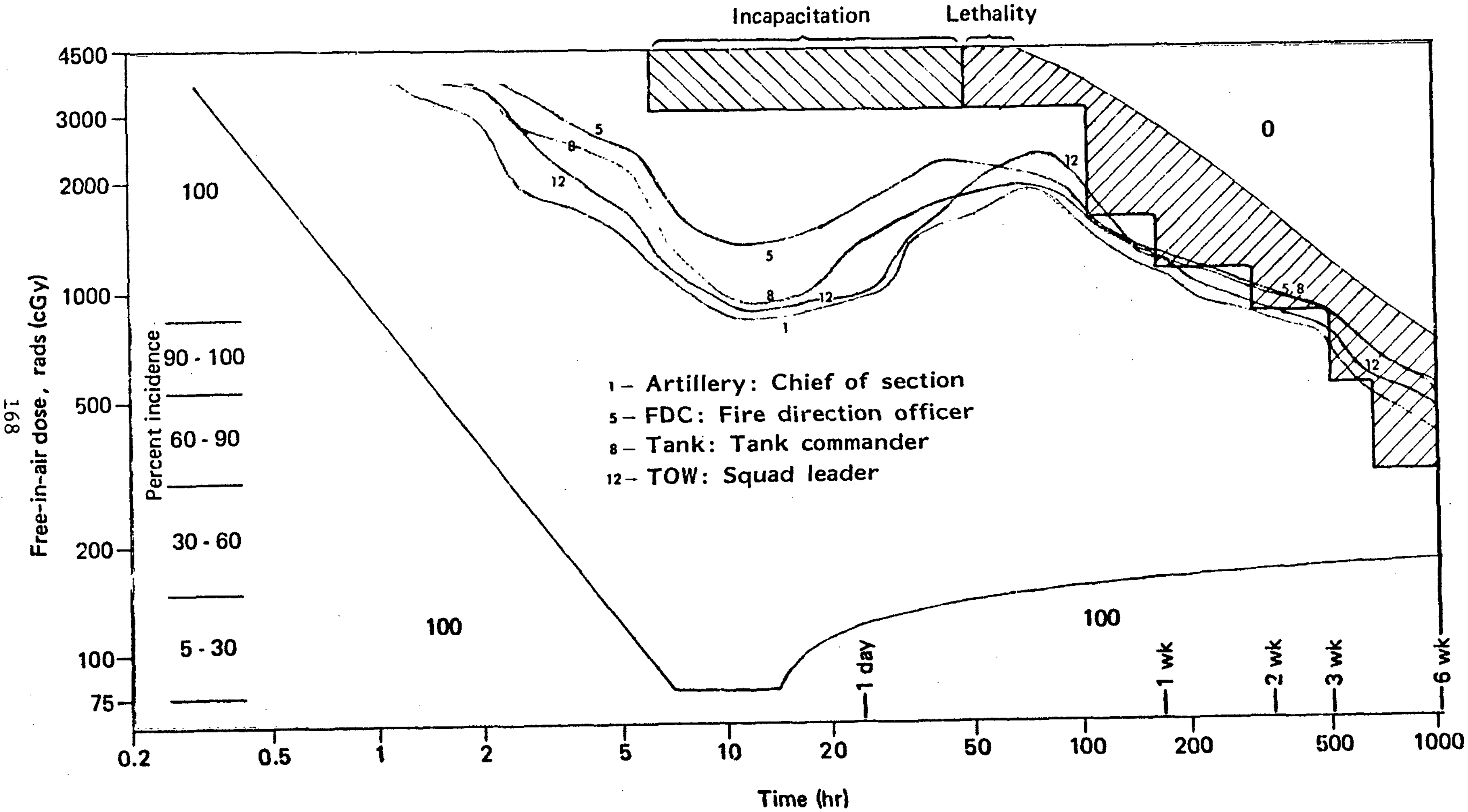


Figure 74. Crew leaders, 30 percent performance.

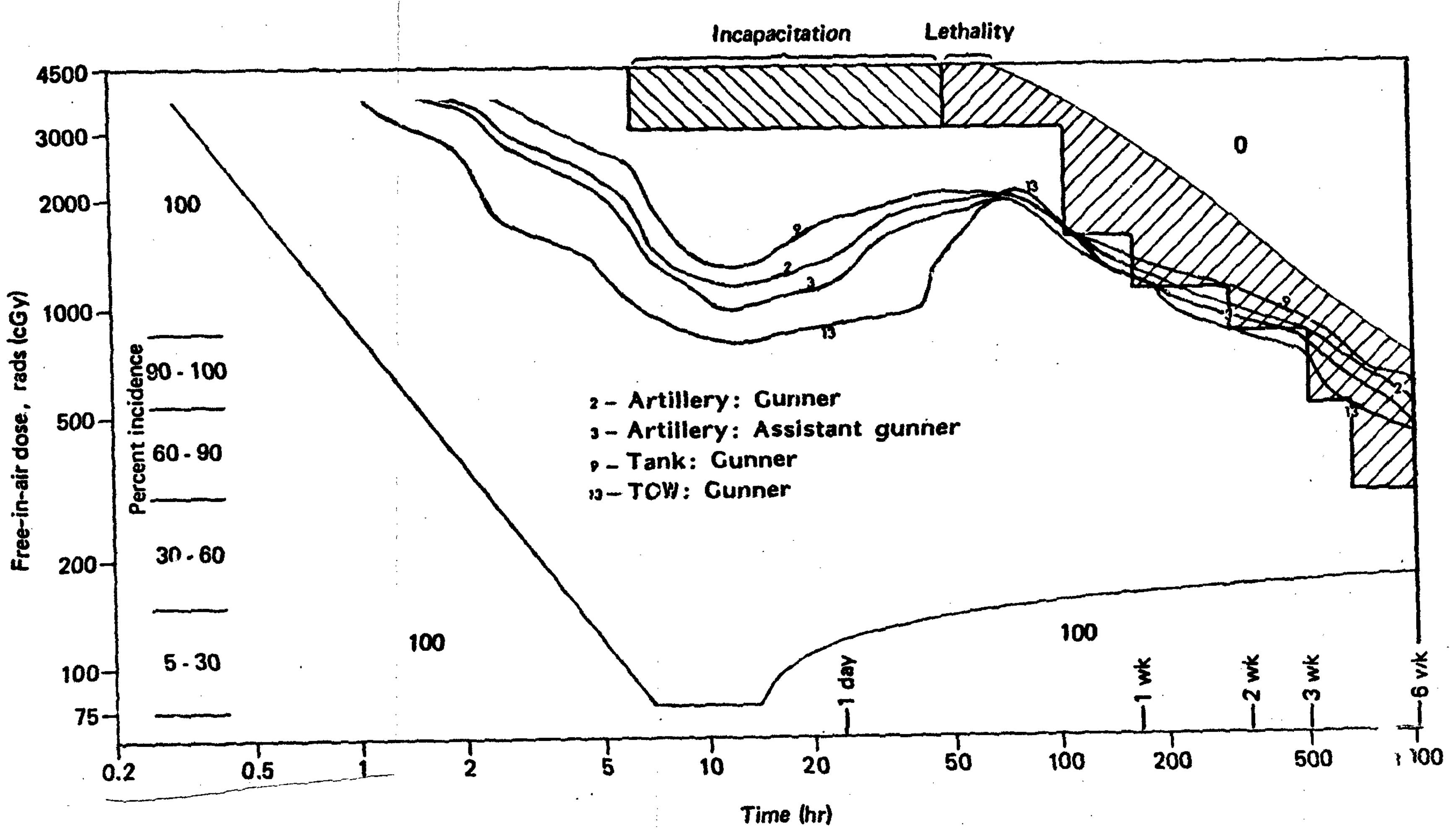


Figure 75. Crew gunners, 30 percent performance.

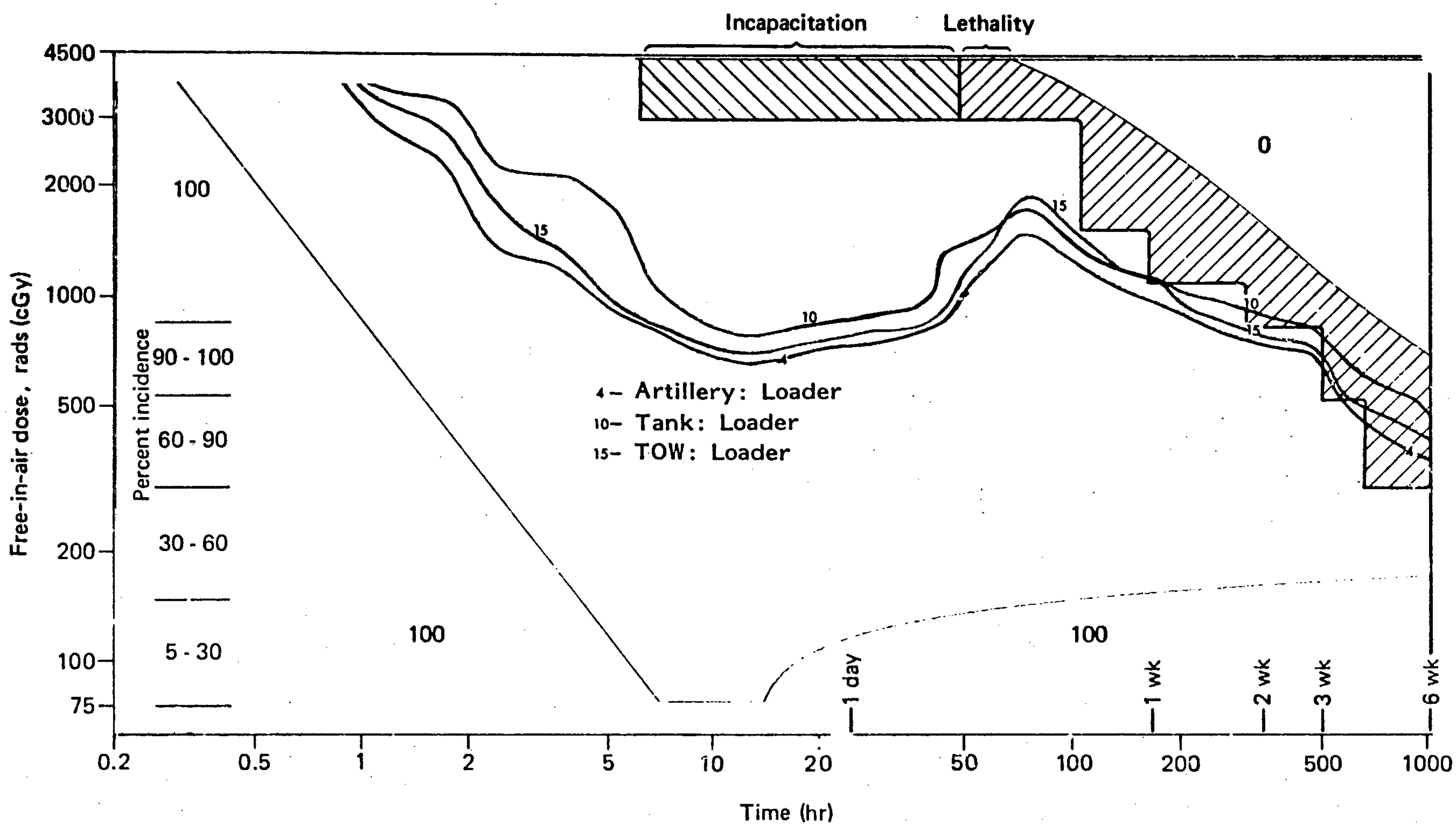


Figure 76. Crew loaders, 30 percent performance.

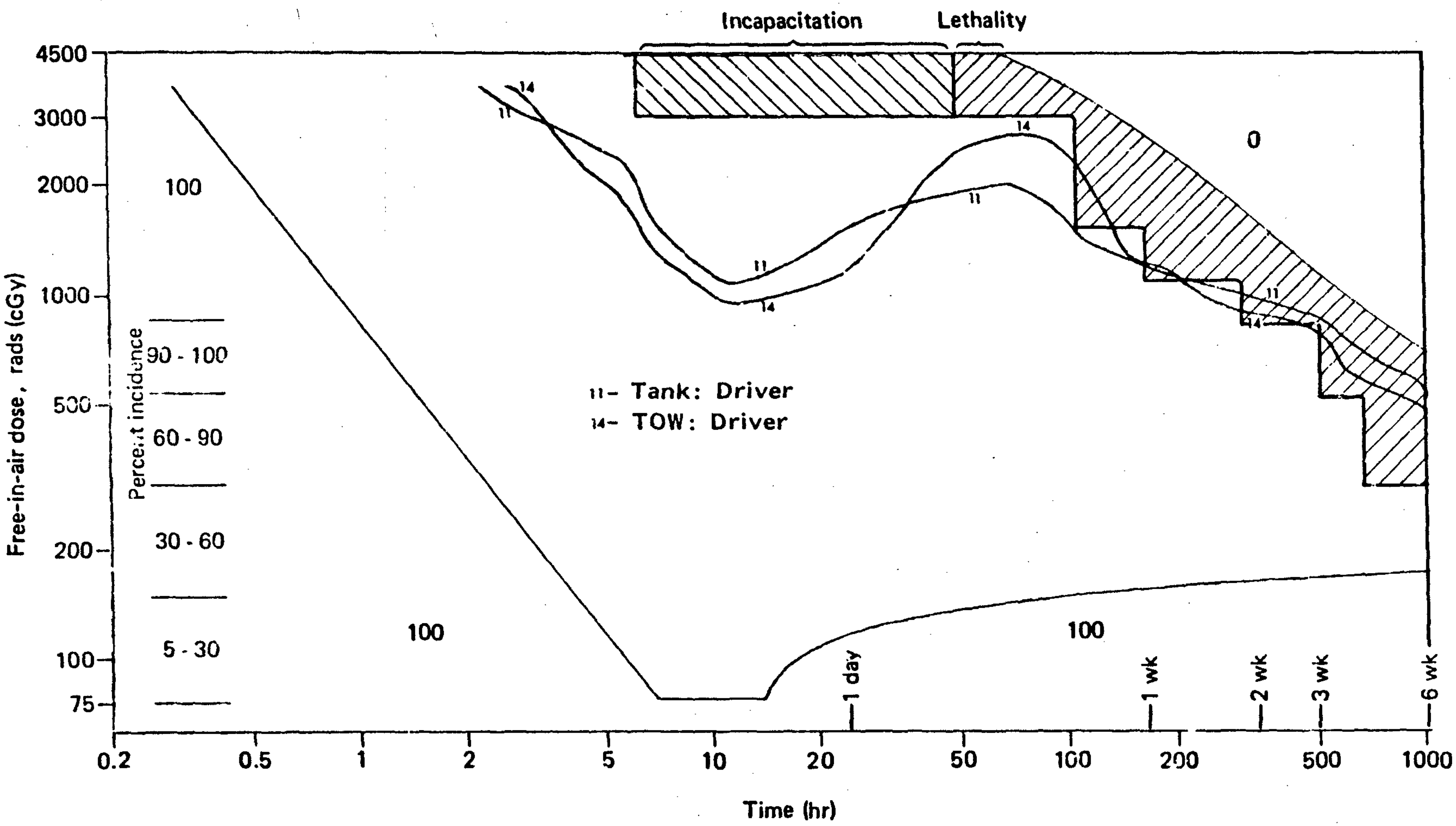


Figure 77. Crew drivers, 30 percent performance.

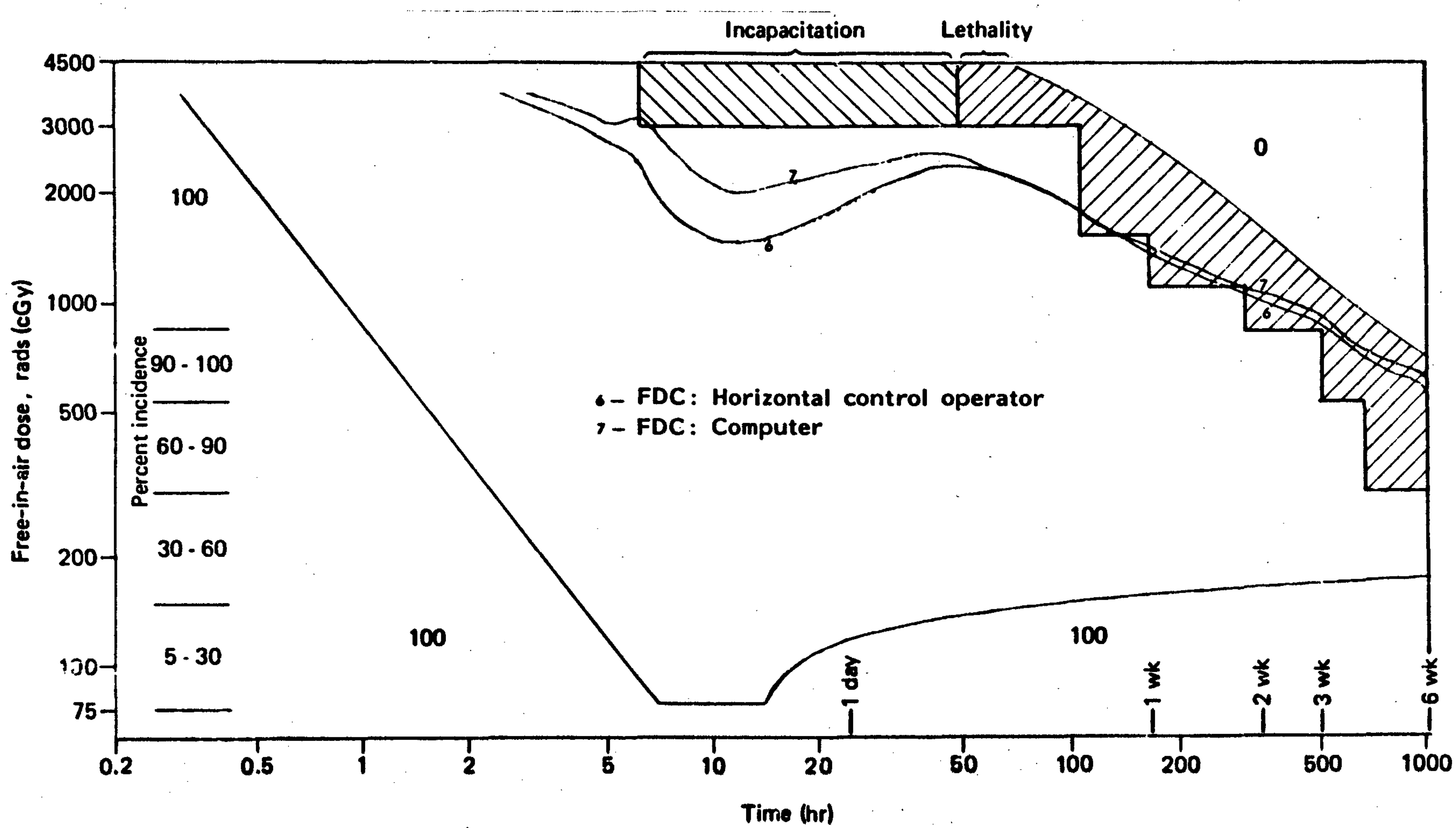


Figure 78. FDC crew, 30 percent performance.

munitions, the order of difficulty and the decreasing order of affecting dose are consistent with the weight of the munition, i.e., the artillery loader handles a 100 lb projectile, the TOW loader a 54 lb missile, and the tank loader a 30 lb projectile.

Figure 77 indicates a fairly close contour resemblance for the tank and TOW drivers except between about one and one-half to several days, where the TOW driver appears to require a somewhat higher dose to reduce performance to 30 percent. Figure 78 shows the two crewmembers that require the highest dose to reduce performance to 30 percent; as previously mentioned above, they have the least physically demanding tasks. In particular the computer is shown to be the least affected dosewise.

Fifty Percent Performance

The 50 percent performance contours for the five groups of crewmembers are given in Figs. 79 through 83. At this level, there is a relative widening of all the performance contours compared to the 30 percent level with the exception of the drivers in Fig. 82, which even become comparatively narrower. The widening is most apparent in the deviation toward lower doses of the artillery chief of section, TOW gunner, and artillery loader relative to the others in their respective groups. That is, lower doses that produce 50 percent performance, as compared with higher doses that produce 30 percent performance, have a relatively greater effect on performance for those positions as compared with the others in their respective groups. Such a widening effect is also seen for the horizontal control operator/computer group. However, since there are only the two members in the group, it is not readily apparent from the plots which position accounts for the widening. The driver group does not show the widening effect when comparing the 30 percent and 50 percent performance contours.

In Fig. 79, performance contours for the leaders of the tank and TOW crews are essentially the same, whereas the fire direction officer requires the highest dose and the artillery chief of section requires the lowest dose to be affected at the 50 percent performance level. The relative position of the contour for the chief of section is somewhat

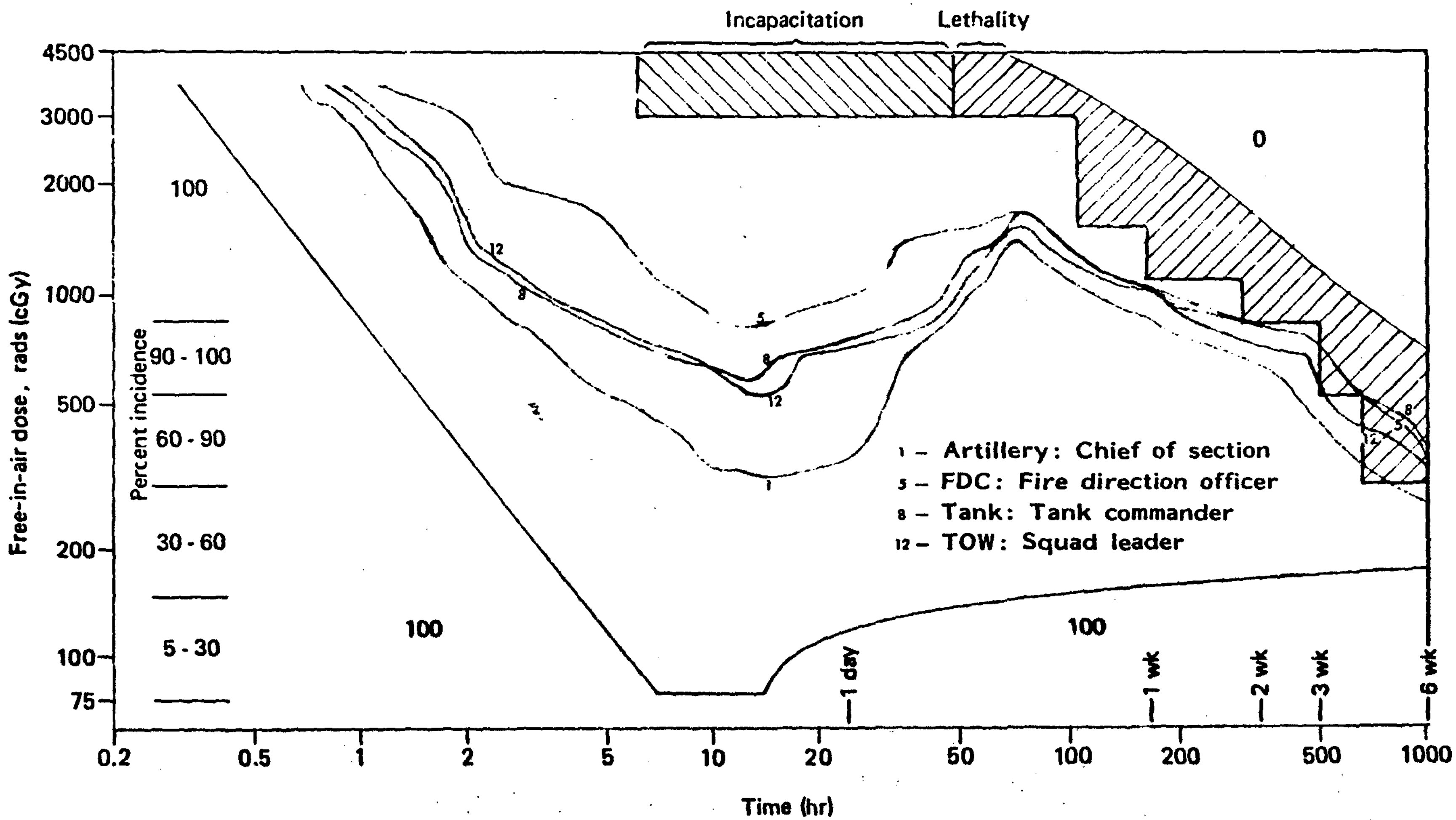


Figure 79. Crew leaders, 50 percent performance.

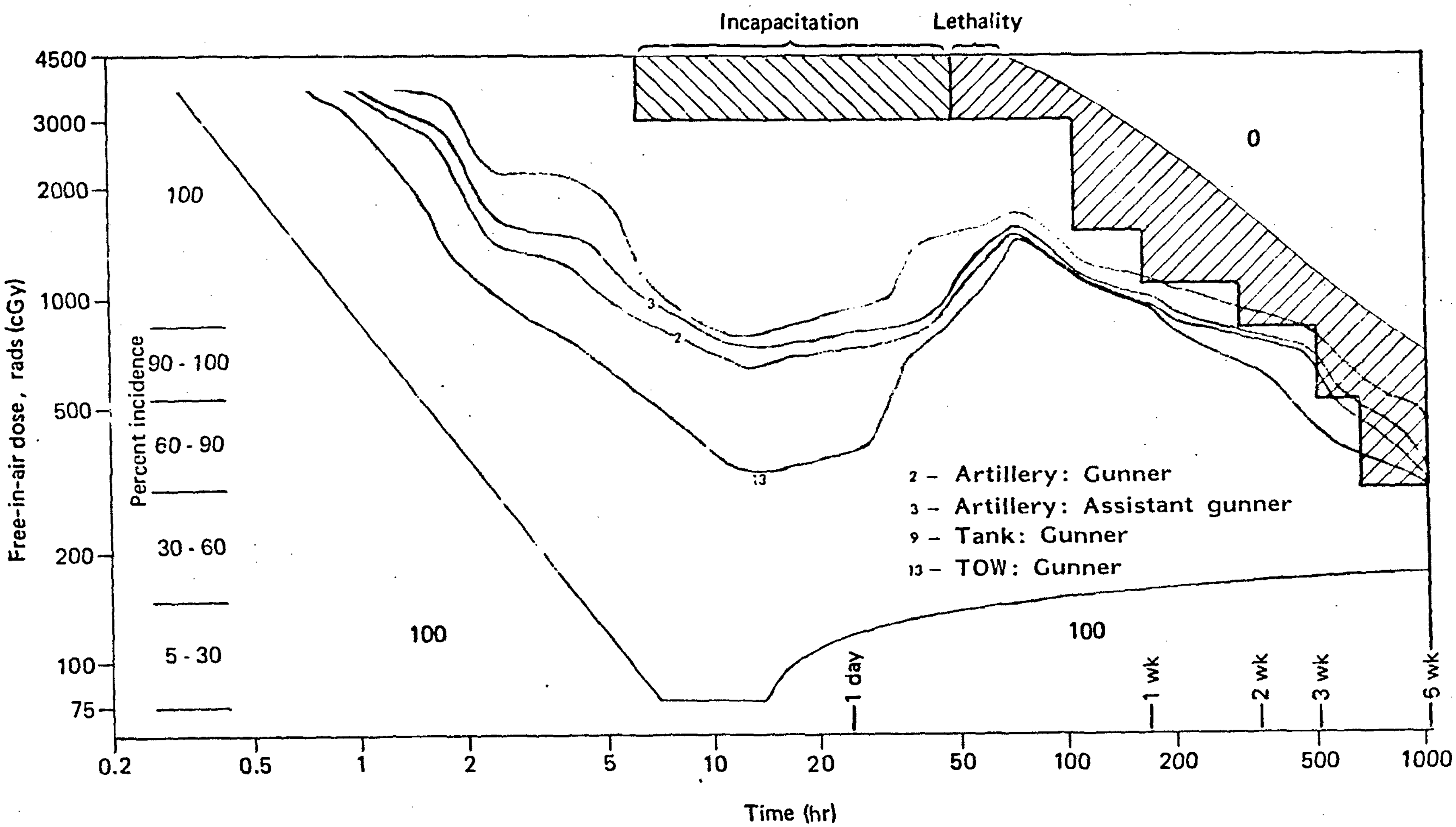


Figure 80. Crew gunners, 50 percent performance.

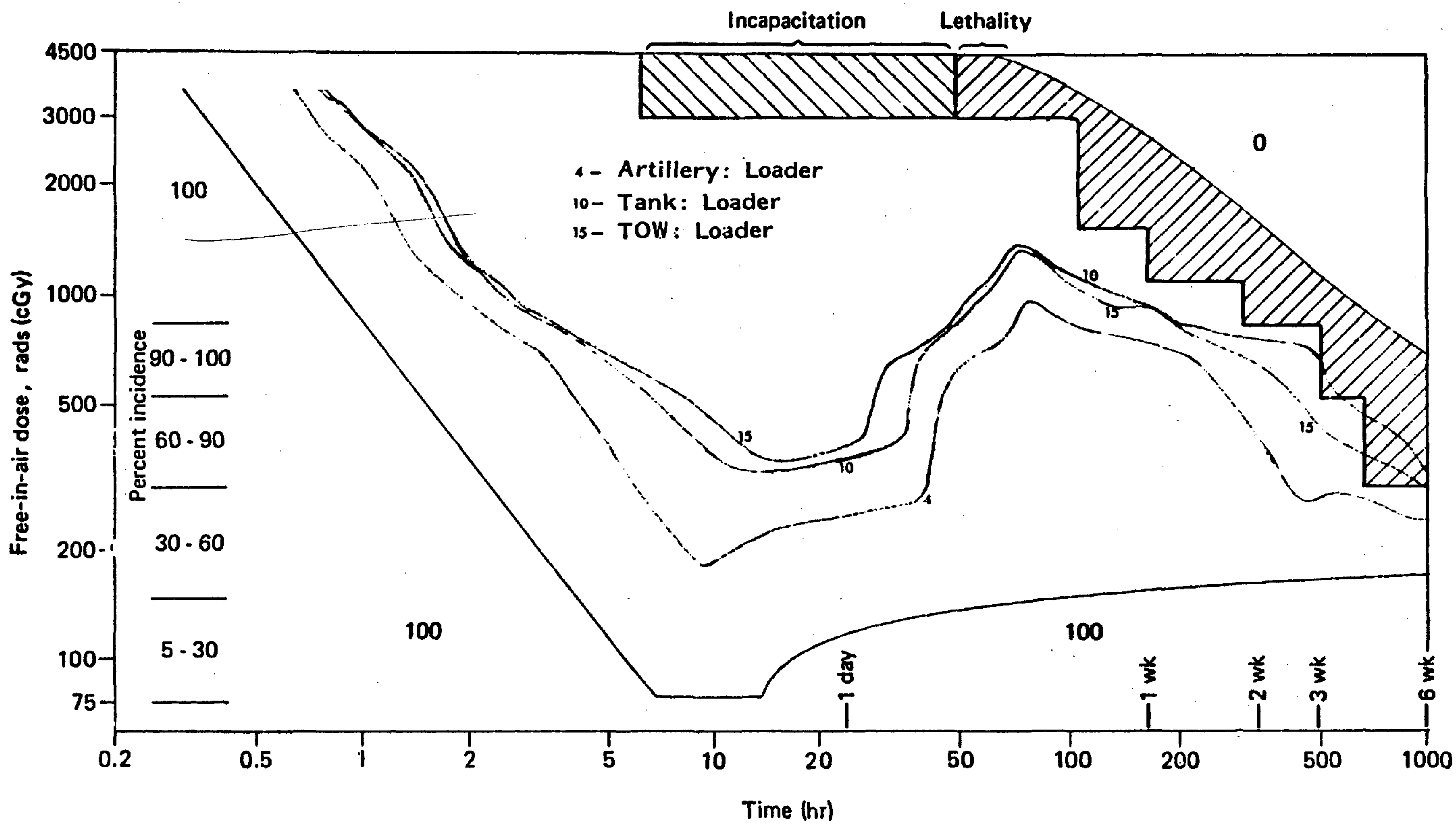


Figure 81. Crew loaders, 50 percent performance.

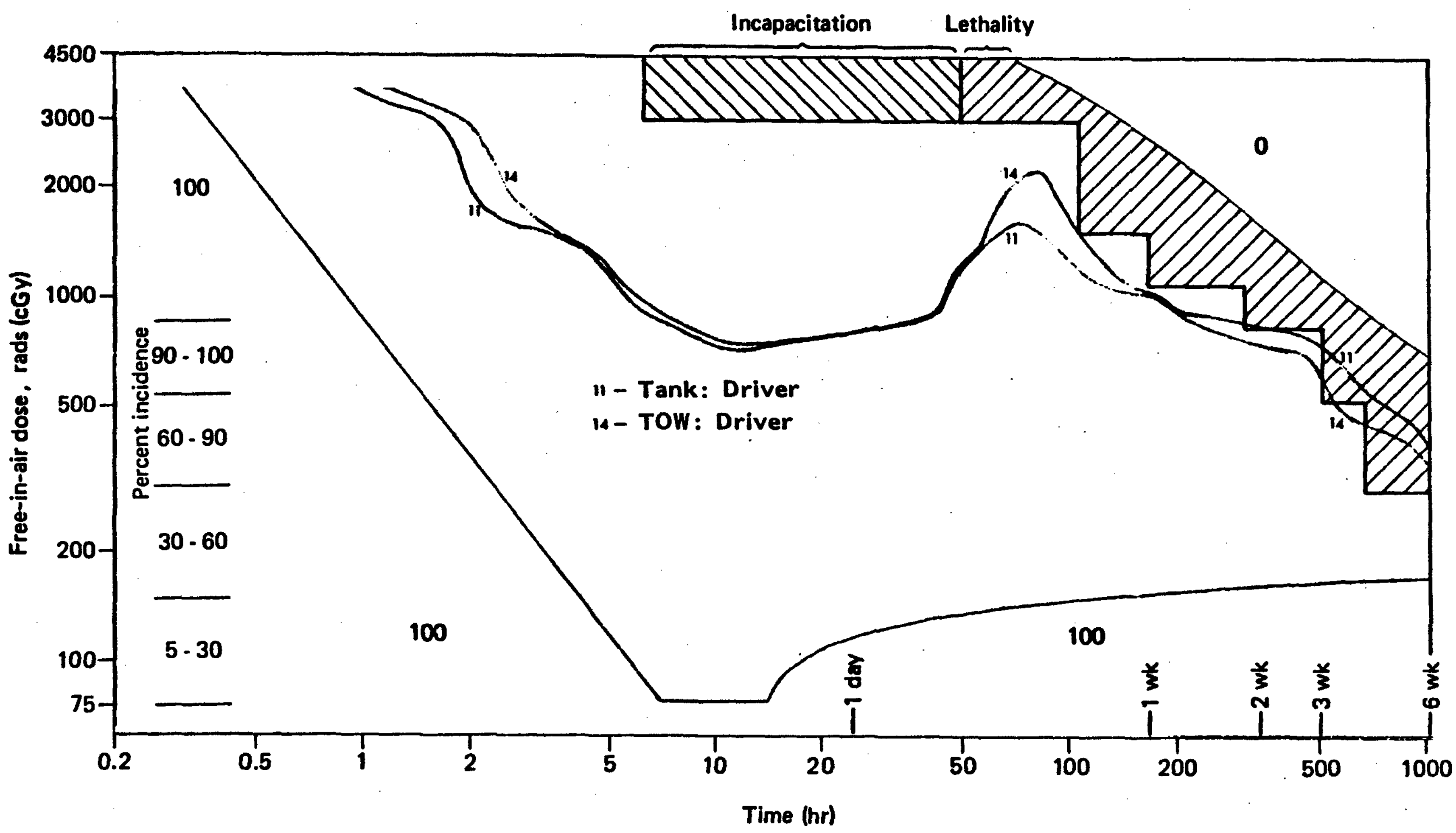


Figure 82. Crew drivers, 50 percent performance.

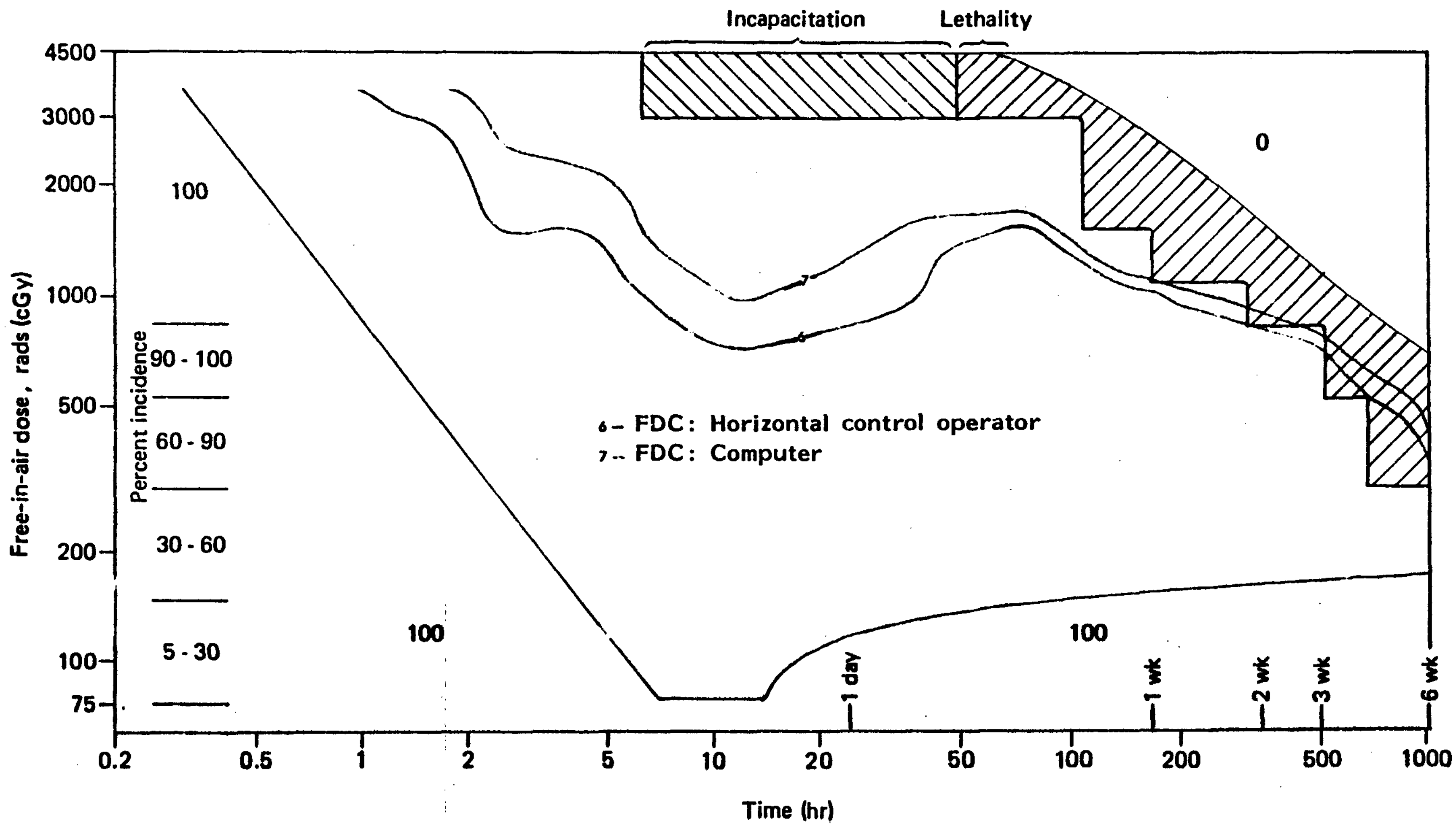


Figure 83. FDC crew, 50 percent performance.

contrary to expectations when, realizing that compared with others, his tasks are no more demanding. Moreover, like the fire direction officer, his tasks are performed while stationary as compared with the tank commander and TOW squad leader who are mobile--a situation that can aggravate the symptoms associated with acute radiation sickness.

Relatively smaller doses reduce the level of performance of the TOW gunner to 50 percent as compared with the other gunners (Fig. 80); the tank gunner requires the highest dose to be at the 50 percent performance level. As would be expected the performance of the artillery loader is reduced to 50 percent at lower doses compared to the tank and TOW loaders, as shown in Fig. 81. Again, as shown in Fig. 83, the FDC group appears to be among the least affected dosewise, with the computer requiring the highest dose to reduce performance to the 50 percent level.

### Seventy Percent Performance

The 70 percent performance contours are given in Figs. 84 through 88. Again, the relative contour positions are similar to the 50 percent performance levels although at lower doses. As shown in Fig. 84, the significant relative deviation to lower doses of the chief of section from the others in the leader group is again somewhat puzzling; this becomes particularly more apparent for times between a couple of days to a couple of weeks. At the 70 percent level, the tank gunner shown in Fig. 85 appears not to be affected until relatively higher doses compared with the other gunners. At the 70 percent performance level, again, the artillery loader is affected at relatively lower doses as shown in Fig. 86. Noteworthy are the low dose levels that reduce performance to 70 percent commencing within a few hours following exposure. Figures 87 and 88 show a relative widening of the performance contour compared to the 50 percent performance level for the driver and FDC groups, respectively.

### Contour Plot Summaries--30, 50, and 70 Percent Performance

Graphical summaries for 30, 50, and 70 percent performance contour levels for all five groups are shown in Figs. 89 through 91. In those

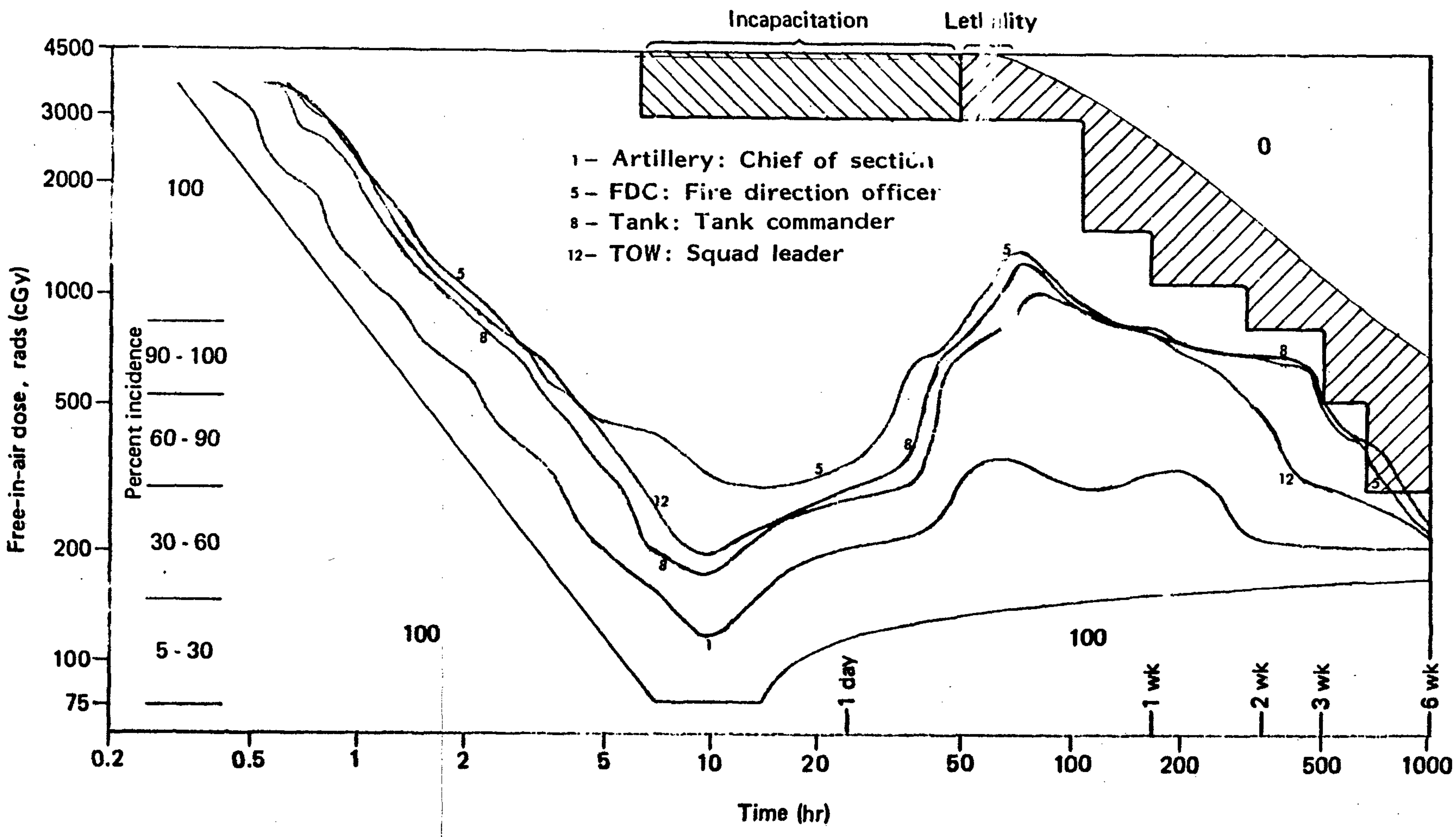


Figure 84. Crew leaders, 70 percent performance.

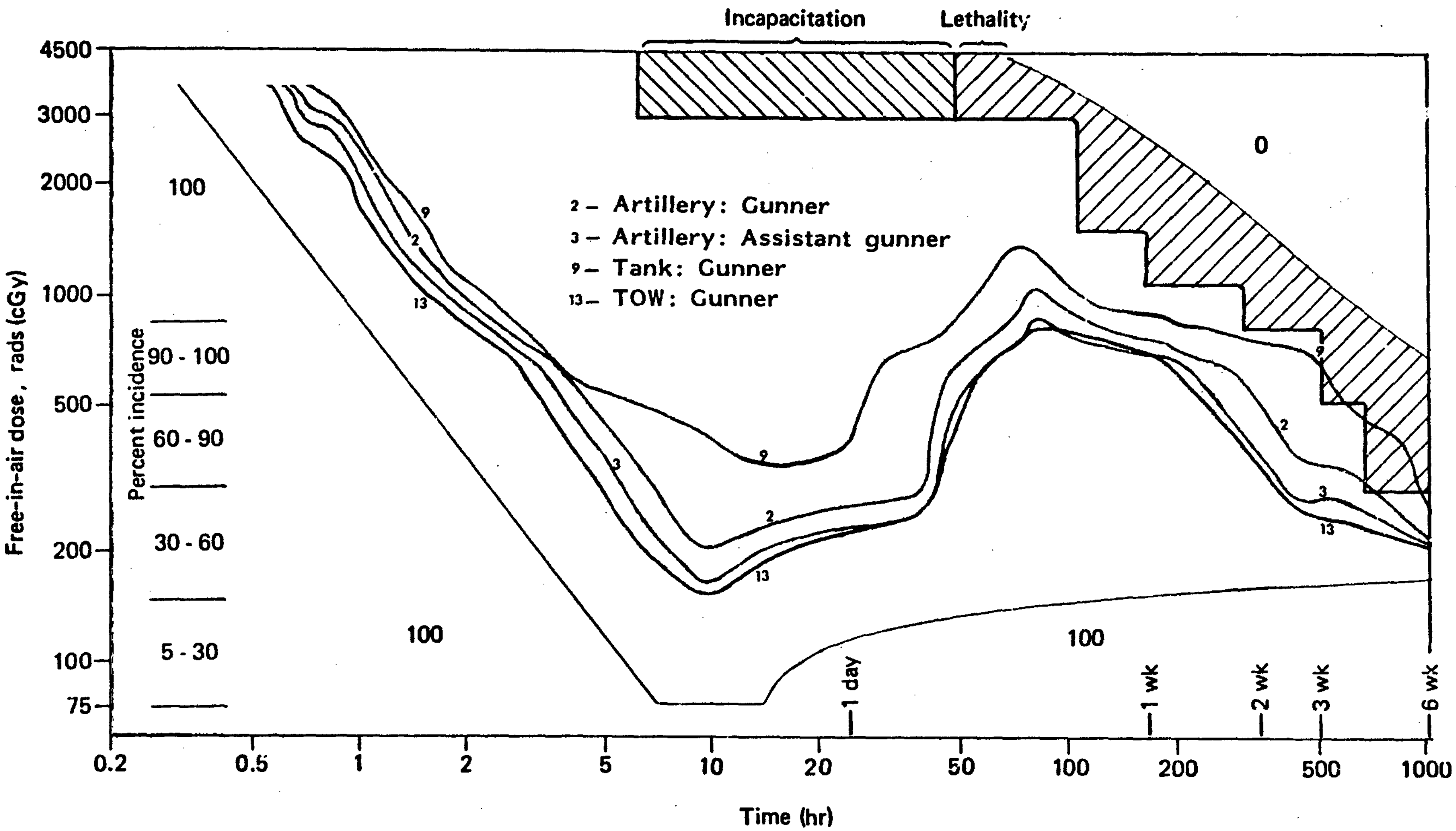


Figure 85. Crew gunners, 70 percent performance.

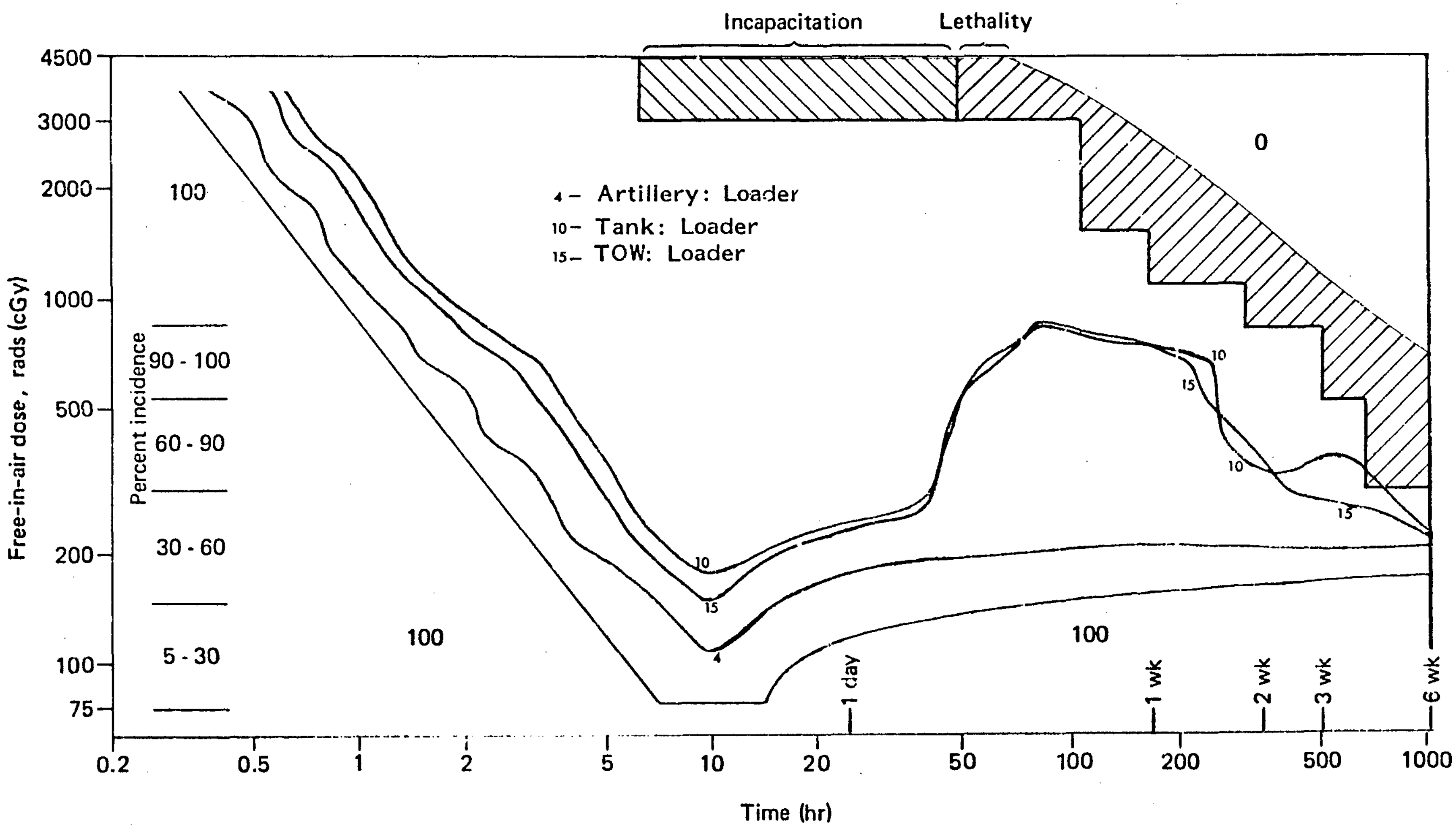


Figure 86. Crew loaders, 70 percent performance.

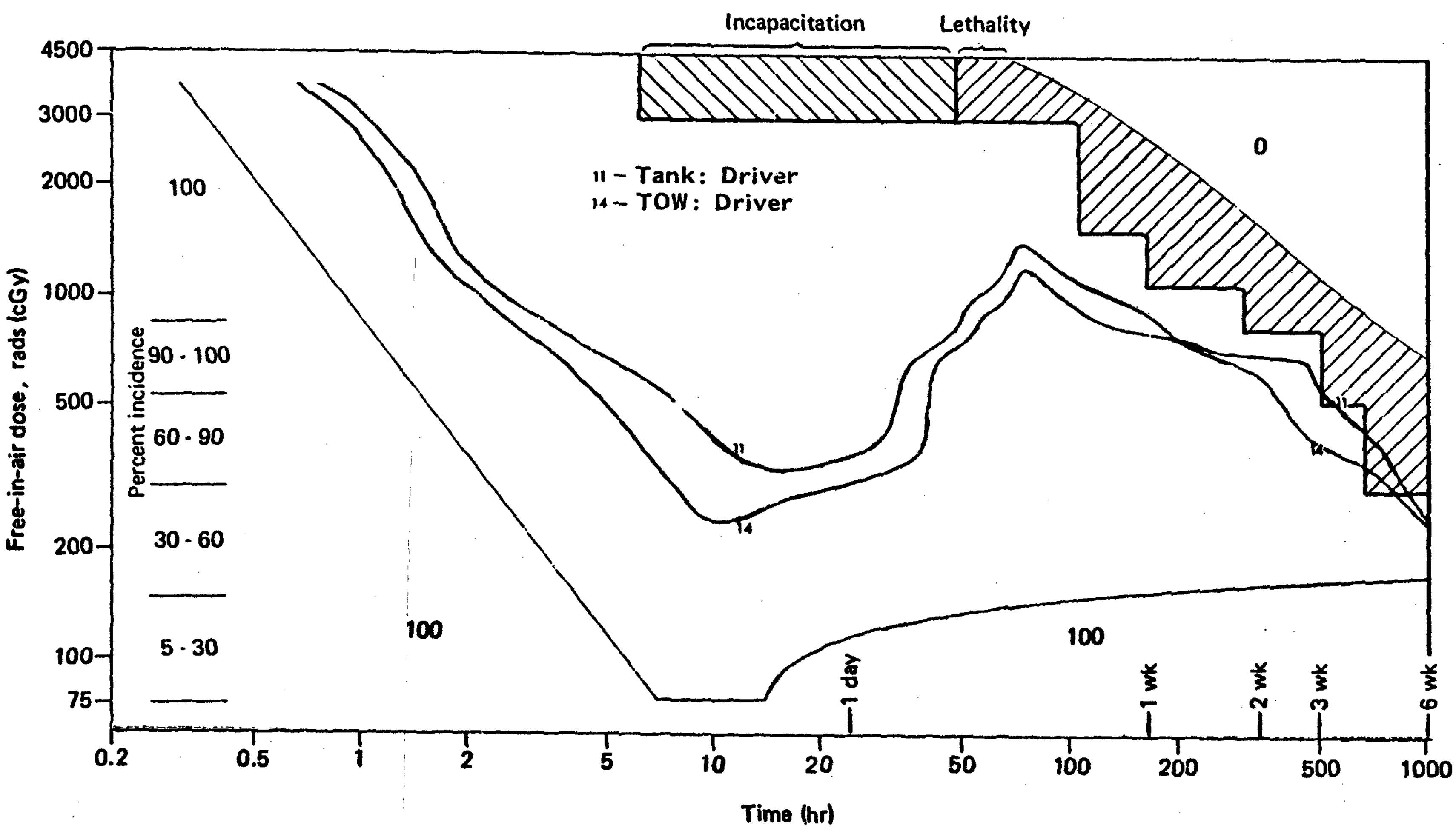


Figure 87. Crew drivers, 70 percent performance.

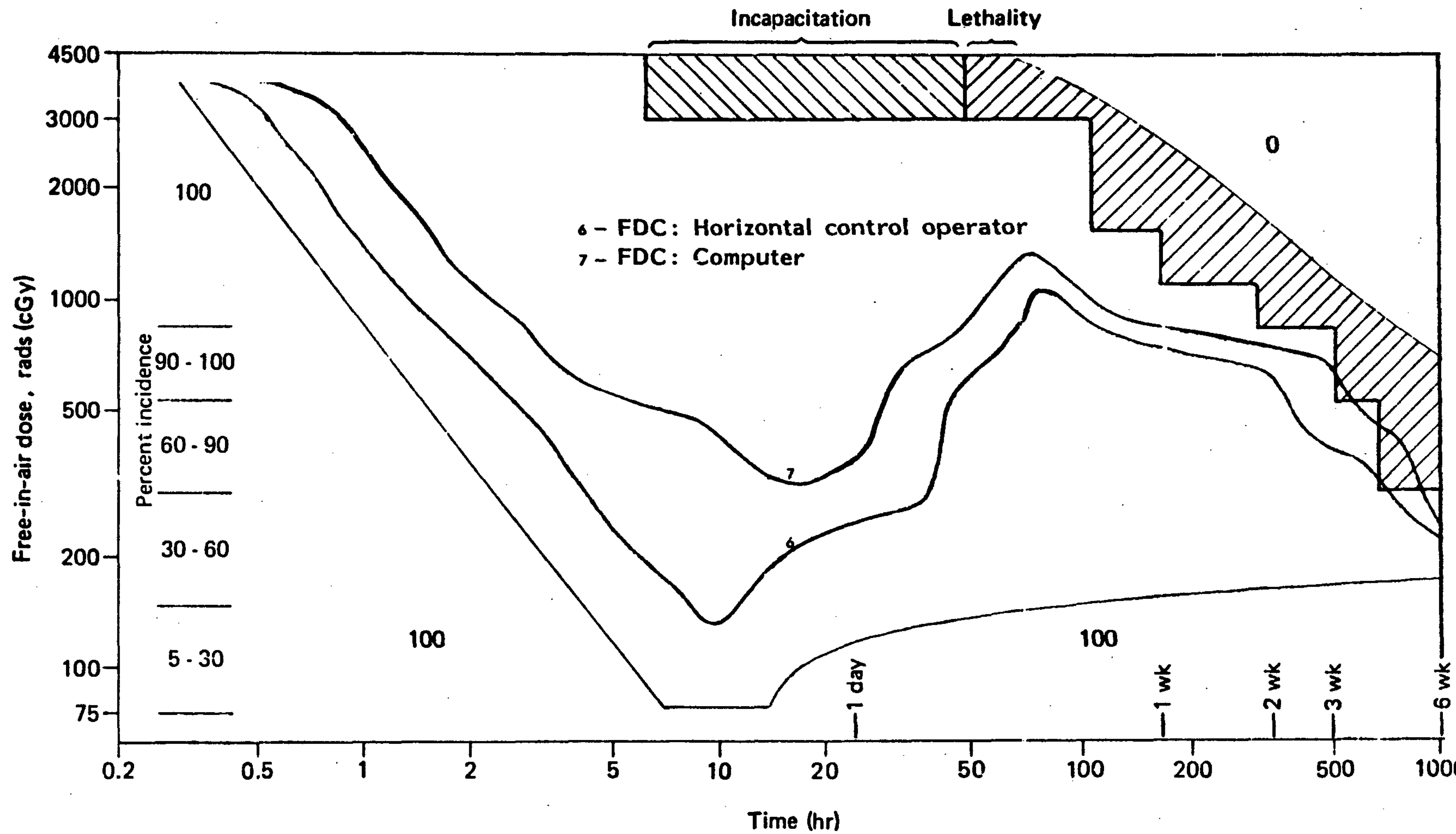


Figure 88. FDC crew, 70 percent performance.

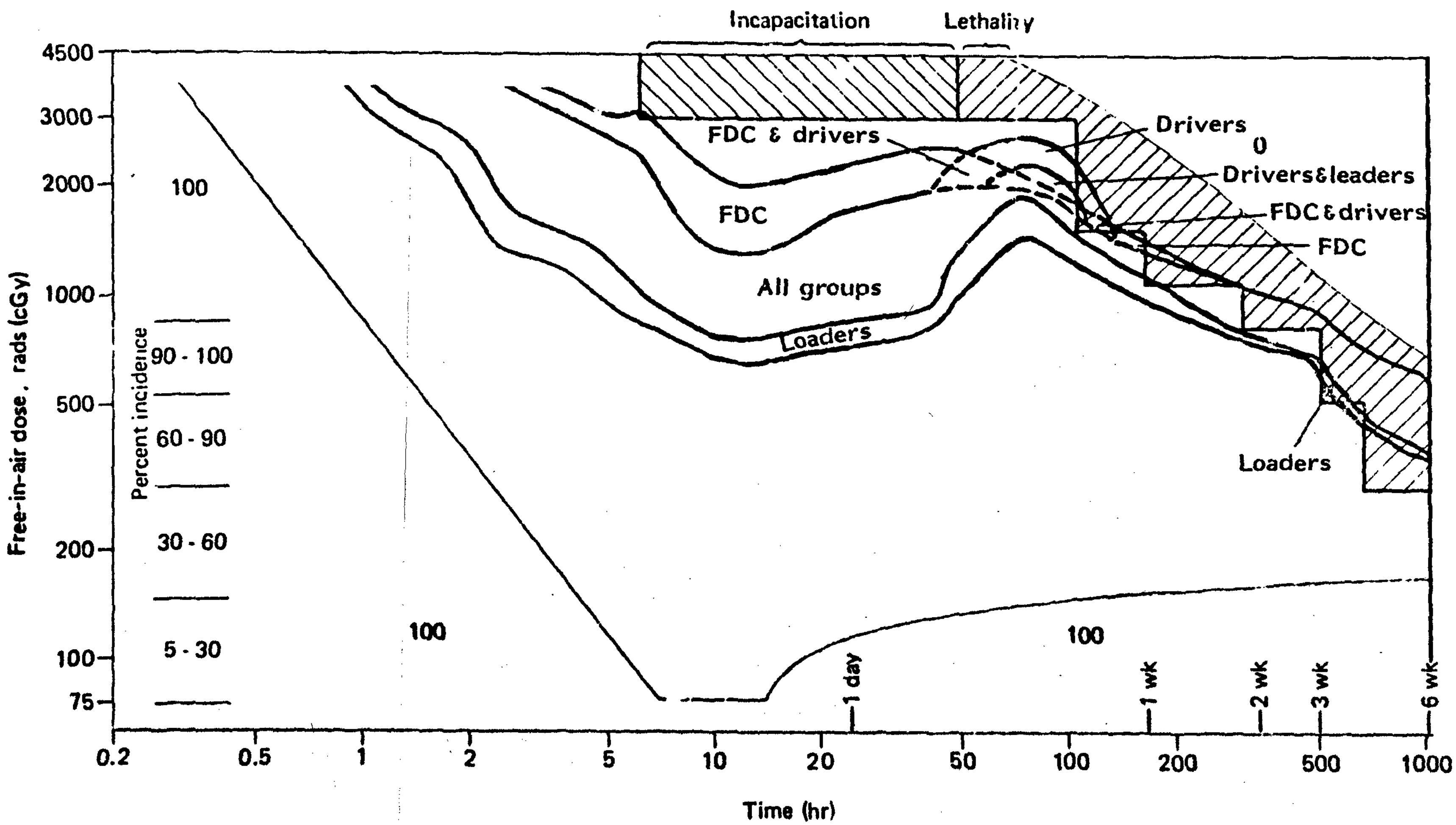


Figure 89. Summary of 30 percent performance.

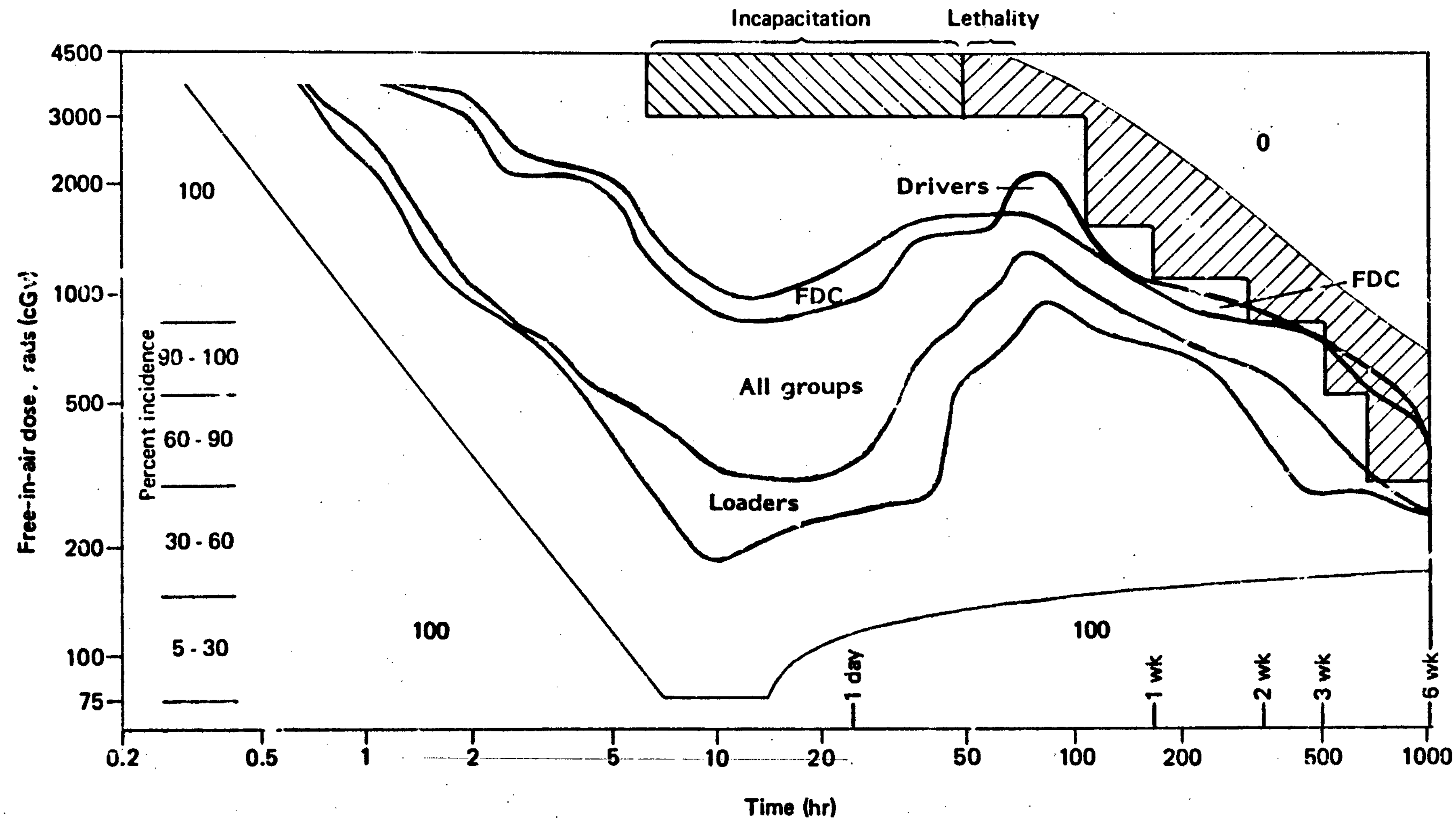


Figure 90. Summary of 50 percent performance.

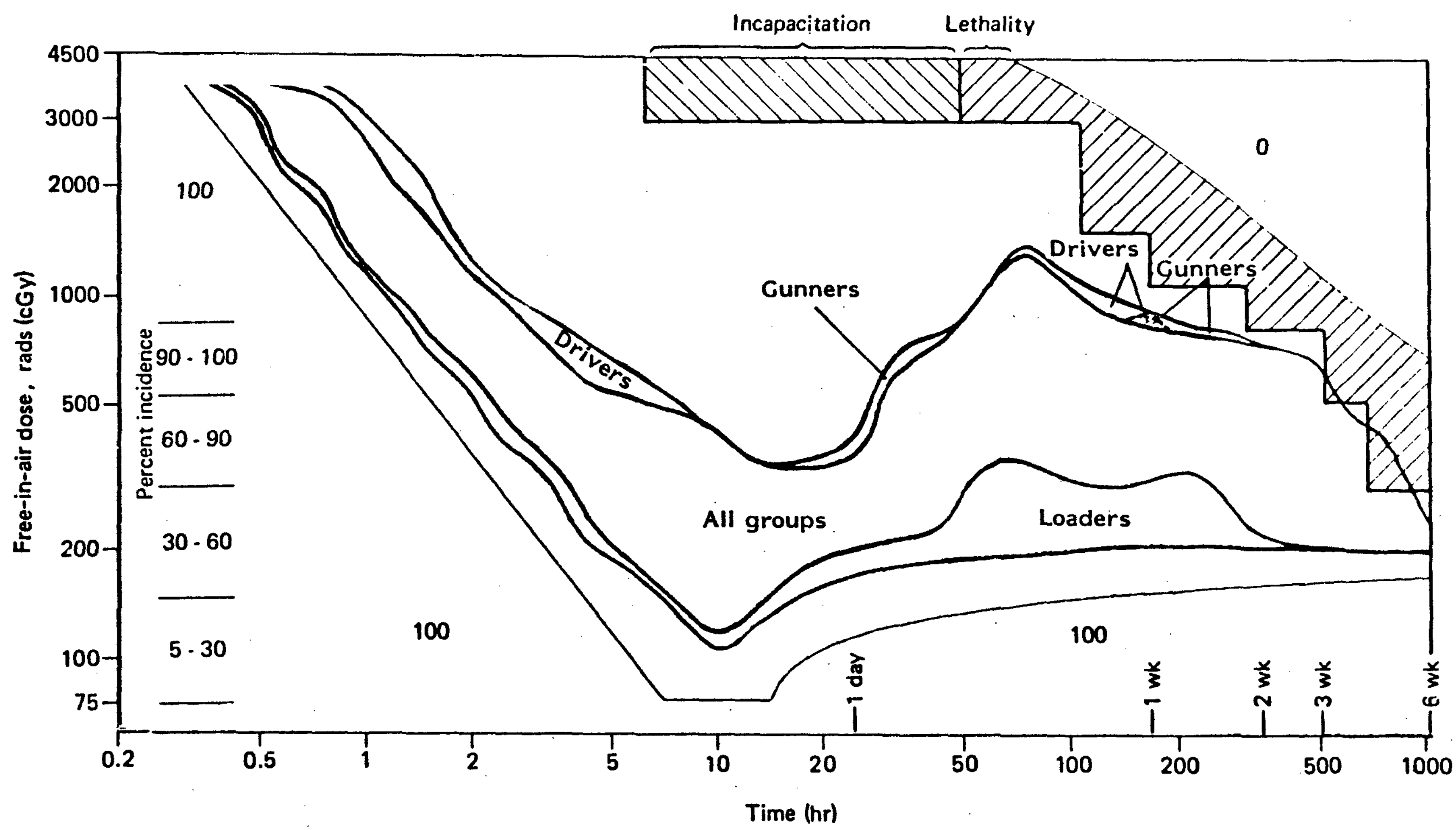


Figure 91. Summary of 70 percent performance.

figures, we show isoperformance bands represented by any groups formed by the two outer level contours. For example in Fig. 90 the lowermost band labeled "Loaders," includes only loaders; the uppermost band labeled "FDC" includes only FDC crew positions. In one region, the uppermost band labeled "Drivers" includes only drivers. The middle band labeled "All Groups" is composed of all other groups, although some loaders, FDC crewmembers, or drivers could also be included because the outermost isoperformance contours represent their respective group extremes. In the interest of clarity, we have not presented a more extensive collection of performance profiles.

The contour summaries all show the meandering band pattern, reflecting the period of remission between initial prodromal symptoms and manifest illness [Baum et al., 1983], which becomes less apparent with decreasing performance level, i.e., with increasing dose. At the 30 and 50 percent performance levels, the middle band, which includes all groups, is bordered primarily by the loaders on the low dose and the FDC group on the high dose end, except for the few "outcroppings" of other groups between about 50 and 100 hr following exposure. There the drivers compete with the FDC group for the high dose values. At the 70 percent level, the loaders border the low dose side of the middle band that includes all groups, whereas the drivers and gunners alternatively form the border at the high dose end rather than the FDC group. Any particular reason for outcropping is not apparent.

Some generalizations regarding performance can be made from Figs. 89 through 91. A dose of at least 500 rads (cGy) is required to reduce performance levels of all groups to 30 percent 2 weeks following exposure. Doses of from only about 150 to 350 rads (cGy) reduce the performance of the loader group to 50 percent between a few hours to a couple of days following exposure; the performance of other groups are reduced to 50 percent during the same period after high exposures--from about 350 rads (cGy) to about 1100 rads (cGy). Doses from about 130 rads (cGy) reduce performance of all groups to 70 percent from a few hours to a couple of days following exposure. Doses as low as 100 rads (cGy) reduce performance for the artillery gun crew loader and chief of section to 70 percent between several to about 15 hr following exposure.

## CONFIDENCE BOUNDS--CONDITIONAL MEAN PERFORMANCE

The approximate 95 percent confidence bound ($L_{95}$) of the performance predictions given by the regression relationships are indicated in Fig. 92. The values presented are based on the variance of the conditional mean ($\hat{\sigma}_m^2$) as predicted by the regression relationships given in Sec. 3. The $L_{95}$ values represent the average percent deviation from the predicted (mean) value for the 95 percent confidence bound (Student's t-distribution) given as follows:

$$L_{95} = \frac{\frac{1}{2}\,(UL_{95,m} + LL_{95,m})}{\hat{P}_k} \times 100 \ ,$$

where $UL_{95,m}$ and $LL_{95,m}$ are upper and lower 95 percent confidence bounds, respectively, and $\hat{P}_k$ is the performance prediction (given in Sec. 3). The $L_{95}$ map given in Fig. 92 is a composite representation applicable to the 15 different crewmember positions and, hence, is approximate. The $L_{95}$ ranges are given for the regions bounded within the curved lines.

The scale of Fig. 74 matches those of Figs. 59 through 73; accordingly, approximate $L_{95}$ values can be related to the performance contours. Although the regression prediction $L_{95}$ values do vary somewhat among the different crewmembers (see Table 28), the variations are not large enough to merit individual attention. Some exceptions, however, can be specifically pointed out. For symptom complex 113111, the performance data estimates exceeded the upper 95 percent conditional mean confidence bounds of the regression prediction, being higher than the mean value predicted by the regression relationship as follows (see Table 28): gun crew, chief of section--14 percent; gun crew, loader--21 percent; FDC crew, fire direction officer--14 percent; FDC crew, horizontal control operator--29 percent; and TOW crew, loader--14 percent.

The rectangular enclosures bordered by the dotted lines in Fig. 92 correspond to the regions where symptom complex 113111 is stipulated (see Fig. 44). The FDC crew horizontal control operator and gun crew loader crewmembers represent the most extreme cases and may merit special consideration when making performance estimates, depending on

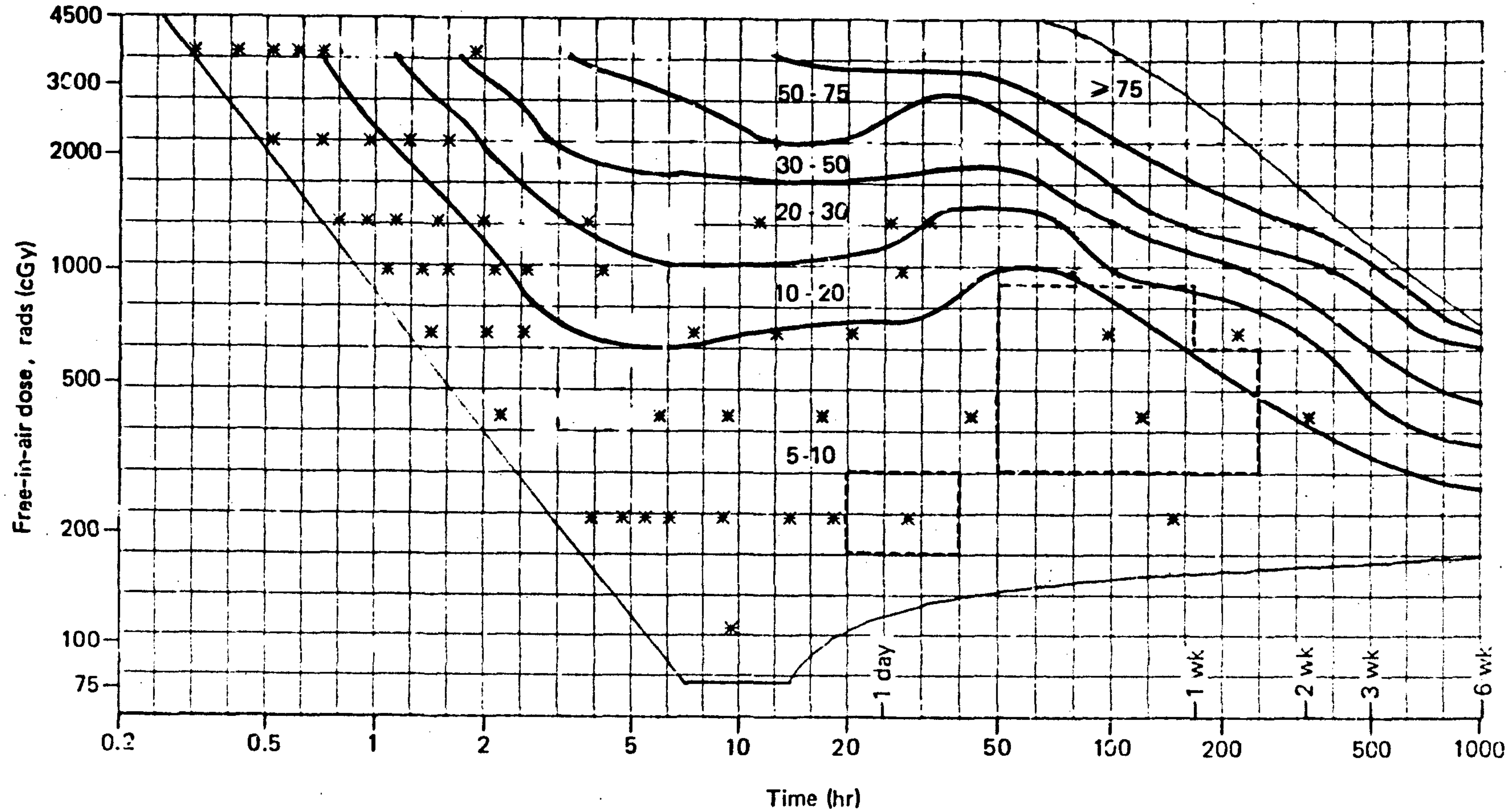


Figure 92. Individual performance prediction confidence bounds.

whether or not conservative estimates are desired. It should be noted here that the performance data for symptom complex 113111, although exceeding the conditional mean bounds, do not lie outside the 95 percent confidence bounds for a *further data* observation based on the variance $\hat{\sigma}_0^2$, discussed in Sec. 3.

The $L_{95}$ contours represented in Fig. 92 are only applicable to the performance values at a particular dose and time. We have not attempted to relate them to lateral variations in dose and/or time although, in principle, estimates of that type can be made. The $L_{95}$ contour pattern shows the correlation with input data points associated with symptom complexes used in the questionnaires (given by the asterisks). In general, $L_{95}$ values increase in regions devoid of the asterisks, where regression predictions were made for symptom complexes not included in the questionnaires. Large increases are situated in regions of high dose and/or long times, where caution should be exercised. Consider the upper-right-hand region where the $L_{95}$ value is indicated as ≥75 percent. If a performance value of 10 percent were estimated from one of the contour plots, and an error of 100 percent chosen from Fig. 92, the estimated upper and lower 95 percent limits based on the regression analysis would be 0 to 20 percent. Depending upon the dose, 20 percent may be unreasonably excessive or 0 percent may be too severe; that is a judgment that must be made by each individual user of the information presented here.

## SUMMARY AND CONCLUSIONS

In this report, the performance levels of individual combat crewmembers have been estimated following prompt ionizing radiation exposure. The estimates have been developed to serve as the basis for planning military field operations and training for combat in a nuclear weapon radiation environment. We have expressed performance as a function of two critical variables, dose (free-in-air) and time.

Performance levels have been expressed both graphically and in tabular form. The overall picture is given by the three-dimensional plots prepared for each of the 15 differen[illegible] [illegible]ewmembers selected to represent typical short-term (from 30 to [illegible] sec) battlefield engagement

scenarios for small combat crews--3 to 4 members. Isoperformance plots and the numerical data given in Appendix J provide working data for selecting or developing further numerical estimates of performance.

Unfortunately, we cannot in any succinct manner assign numerical degrees of uncertainty to the dose/time performance estimates provided (other than the conditional confidence bounds discussed above). That problem is caused by a lack of quantitative data associated with the source of information we combined to formulate the estimates of performance. The performance results we developed rely on two basic bodies of information. The first comes from the comprehensive symptomatology review of human irradiation experience [Baum et al., 1983], and the second comes from the army questionnaires. Based on those two sources some guidance can be provided for utilizing the performance estimates presented.

From the review of acute radiation sickness and symptomatology, we are confident that the dose/time framework (Sec. 4) of symptom complexes describes the typical acute sequelae for humans even though considerable variation in response has been observed in symptom severity and time of expression.

The symptom complexes used to construct the dose/time framework represent well over 50 percent of those exposed to doses of from 300 rads (cGy) and above, from 30 to 60 percent of those exposed to doses of 150 to 300 rads (cGy), and from 5 to 20 percent of those exposed to doses of from 75 to 150 rads (cGy) [Baum et al., 1983]. Therefore, since the performance response data obtained from the army questionnaires were based on the symptom descriptions appearing in the dose/time framework, our performance estimates as a function of dose and time correspond to those percentages.

The performance data correlated with dose and time were derived from army personnel who were asked to judge how they might be able to perform if they had acute radiation symptoms described to them. Accordingly, we have no clear direct way to quantify in a comprehensive manner just how reliable their judgments might be, although the respondents selected for the questionnaires were combat crewmembers trained in

performing the tasks and operating the equipment we focused upon. We can point out, however, that after making some improvements in the response data, our analysis indicates reasonable consistency in the performance trends with symptom severity (and dose level) and the type of crewman (i.e., type of tasks performed). In view of the fact that we cannot prescribe a sound quantitative measure of uncertainty, other than the conditional variation in the response data, we encourage a measure of understanding with regard to purpose in its application.

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## Appendix A

## RESPONSES TO QUESTIONNAIRES

This appendix contains all of the responses from each questionnaire administered to acceptable respondents (116 total). The data are entered in the form of time in seconds. Table 1 in Sec. 2 itemizes the disposition of all the questionnaires (161 total). The responses to the 24 questionnaires were not recorded from the excluded respondents because they did not lie within the population we wished to poll. Appendix D contains the responses to the 21 questionnaires from respondents who were rejected because their answers were unresponsive.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | | 5 4 |
| MOS | :13R20 | GUNNER | : | |
| IN ARMY | : 6YR | AS.GUNNER | : | |
| IN ARTILLERY | : 6YR | LOADER | : | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 10 | | |

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SYMP COMP | LON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SHAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 5 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 10 | 411111 | 3 | 0 | 0 | 2 | 3 | 4 | 5 | 6 | 0 | 6 | 0 | 0 | 5 | 0 | 0 | 2 | 0 | 0 |
| 1 10 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 114111 | 2 | 0 | 0 | 1 | 3 | 2 | 4 | 10 | 0 | 0 | 0 | 5 | 20 | 15 | 0 | 0 | 0 | 0 |
| 1 10 | 515311 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 213111 | 3 | 0 | 0 | 3 | 4 | 2 | 1 | 5 | 10 | 15 | 17 | 5 | 4 | 6 | 4 | 2 | 2 | 0 |
| 1 10 | 413111 | 1 | 0 | 0 | 3 | 2 | 4 | 1 | 5 | 10 | 10 | 15 | 5 | 3 | 6 | 4 | 2 | 2 | 0 |
| 1 10 | 311111 | 3 | 0 | 3 | 2 | 1 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 10 | 313111 | 2 | 0 | 0 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 |
| 1 10 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 112111 | 2 | 0 | 25 | 1 | 3 | 2 | 4 | 6 | 14 | 20 | 10 | 6 | 5 | 0 | 4 | 2 | 2 | 10 |
| 1 10 | 514111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 313112 | 3 | 30 | 40 | 1 | 3 | 1 | 4 | 6 | 20 | 25 | 14 | 6 | 4 | 10 | 4 | 3 | 3 | 10 |
| 1 10 | 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 513111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 123111 | 3 | 20 | 30 | 2 | 4 | 1 | 4 | 6 | 20 | 14 | 16 | 6 | 4 | 10 | 4 | 4 | 4 | 0 |
| 1 10 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 113111 | 3 | 25 | 35 | 2 | 4 | 1 | 4 | 13 | 14 | 20 | 15 | 7 | 4 | 10 | 5 | 3 | 3 | 9 |
| 1 10 | 521111 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 113121 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 211111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 224111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 312111 | 3 | 20 | 25 | 1 | 2 | 2 | 4 | 10 | 25 | 25 | 20 | 9 | 7 | 14 | 5 | 3 | 3 | 9 |
| 1 10 | 314112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 412111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 414111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 10 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

CHIEF OF SECTION + SPECIAL WEAPONS TEAM CHIEF, SUPERVISING A 10 MAN GUN CREW + A 4 MAN SPECIAL WPNS. TEAM.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | | 1 8 |
| MOS | :13B20 | GUNNER : | | 4 |
| IN ARMY | : 4YR 2MO | AS.GUNNER : | | 2 |
| IN ARTILLERY | : 4YR 2 | LOADER : | | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 20

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SYMP CUMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PROJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 5 | 7 | 7 | 7 | 5 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 11 | 411111 | 4 | 30 | 90 | 2 | 30 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 0 | 0 | 0 |
| 1 11 | 515431 | 3 | -1 | -1 | -1 | 1 | -1 | 90 | 60 | 60 | 60 | 40 | 30 | -1 | -1 | -1 | 20 | 15 | 25 |
| 1 11 | 114111 | 4 | 20 | 30 | 2 | 5 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 5 | 7 | 5 | 3 | 0 | 5 |
| 1 11 | 515311 | 3 | -1 | -1 | 1 | 1 | 1 | 60 | 10 | 10 | 10 | 10 | 5 | -1 | 15 | -1 | 7 | 5 | 15 |
| 1 11 | 213111 | 4 | 30 | 40 | 3 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 413111 | 4 | 0 | 0 | 4 | 15 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 511111 | 3 | 30 | 40 | 3 | 10 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 0 | 0 | 0 | 0 |
| 1 11 | 313111 | 4 | 55 | 50 | 2 | 3 | 2 | 60 | 10 | 10 | 10 | 10 | 6 | 10 | 10 | 5 | 4.5 | 3.5 | 6 |
| 1 11 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | 120 | 10 | 10 | 10 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 11 | 414112 | 4 | 75 | 60 | 2 | 3 | 2 | 60 | 10 | 14 | 14 | 14 | 10 | 12 | 15 | 12 | 6.5 | 6.5 | 0 |
| 1 11 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 11 | 112111 | 4 | 0 | 0 | 5 | 30 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 514111 | 3 | 75 | 80 | 1 | 2 | 1 | 60 | 10 | 14 | 14 | 14 | 10 | 12 | 10 | 3 | 7.5 | 4.5 | 0 |
| 1 11 | 313112 | 3 | 45 | 60 | 1 | 1 | 1 | 90 | 0 | 0 | 0 | 0 | 0 | 12 | 15 | 12 | 7.5 | 6.5 | 5 |
| 1 11 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 180 | 13 | 17 | 14 | 14 | 8 | -1 | -1 | -1 | 6.5 | 2.5 | 0 |
| 1 11 | 513111 | 3 | -1 | -1 | -1 | -1 | -1 | 120 | 13 | 17 | 17 | 17 | 13 | -1 | -1 | -1 | 11.5 | 6.5 | 10 |
| 1 11 | 123111 | 4 | 0 | 0 | 5 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 334251 | 4 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 11 | 113111 | 4 | 0 | 0 | 5 | 15 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 521111 | 3 | 45 | 50 | 1 | 1 | 1 | 60 | 10 | 14 | 14 | 12 | 6 | 8 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 113121 | 4 | 0 | 0 | 7 | 20 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 211111 | 4 | 0 | 0 | 1 | 10 | 5 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 11 | 224111 | 2 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 6.5 | 4.5 | 0 |
| 1 11 | 413314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 11 | 312111 | 3 | 45 | 65 | 1 | 2 | 1 | 120 | 0 | 0 | 0 | 0 | 0 | 12 | 10 | 5 | 0 | 0 | 0 |
| 1 11 | 314112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 13 | 14 | 14 | 17 | 13 | -1 | -1 | -1 | 0 | 0 | 0 |
| 1 11 | 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 11 | 412111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 13 | 17 | 17 | 22 | 18 | -1 | -1 | -1 | 6.5 | 6.5 | 63 |
| 1 11 | 414111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 18 | 17 | 17 | 17 | 13 | -1 | -1 | -1 | 5 | 5 | 5 |
| 1 11 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

I'VE BEEN A 13B ALL OF MY ARMY CAREER. I'M ALSO IN SPECAIL WEAPONS AND HAVE BEEN FOR THE PAST 3 YEARS.

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | | | |
| MOS | :13B20 | GUNNER | : | 6 82 | 5 |
| IN ARMY | : 3YR 3MO | AS.GUNNER | : | | |
| IN ARTILLERY | : 3YR 3 | LOADER | : | | |
| | WHEN | | | | |
| COMBAT | :N | | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : | 5 | | |

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW RESP | | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 5 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 12 | 411111 | 3 | 290 | 50 | 1 | 15 | 4 | 10 | 5 | 0 | 10 | 0 | 10 | 20 | 0 | 5 | 15 | 0 | 5 |
| 1 | 12 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 114111 | 3 | 180 | 45 | 1 | 30 | 2 | 10 | 0 | 0 | 9 | 0 | 9 | 5 | 0 | 0 | 5 | 2 | 0 |
| 1 | 12 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 213111 | 3 | 190 | 100 | 1 | 20 | 2 | 10 | 0 | 0 | 10 | 0 | 10 | 10 | 7 | 5 | 5 | 3 | 6 |
| 1 | 12 | 413111 | 3 | 190 | 100 | 2 | 20 | 2 | 12 | 5 | 0 | 15 | 0 | 12 | 30 | 8 | 5 | 5 | 3 | 10 |
| 1 | 12 | 311111 | 3 | 45 | 60 | 2 | 45 | 3 | 7 | 5 | 0 | 10 | 0 | 10 | 10 | 0 | 0 | 5 | 3 | 0 |
| 1 | 12 | 313111 | 4 | 70 | 40 | 1 | 15 | 3 | 7 | 0 | 0 | 15 | 0 | 10 | 45 | 0 | 0 | 5 | 3 | 0 |
| 1 | 12 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 0 | 30 | 0 | 30 | -1 | 0 | 0 | 8 | 5 | 5 |
| 1 | 12 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 112111 | 4 | 45 | 60 | 1 | 15 | 2 | 7 | 0 | 0 | 10 | 0 | 10 | 20 | 0 | 0 | 5 | 3 | 0 |
| 1 | 12 | 514111 | 3 | 60 | 60 | 1 | 15 | 2 | 7 | 0 | 0 | 10 | 0 | 15 | 30 | 0 | 0 | 5 | 3 | 0 |
| 1 | 12 | 313112 | 3 | 60 | 60 | 1 | 15 | 20 | 9 | 8 | 0 | 20 | 0 | 15 | 60 | 0 | 5 | 5 | 3 | 0 |
| 1 | 12 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 513111 | 4 | 90 | 60 | 1 | 15 | 1 | 7 | 5 | 0 | 15 | 0 | 15 | 90 | 0 | 5 | 5 | 3 | 0 |
| 1 | 12 | 123111 | 3 | -1 | -1 | -1 | -1 | -1 | 8 | 5 | 0 | 15 | 0 | 10 | -1 | 0 | 5 | 5 | 3 | 0 |
| 1 | 12 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 113111 | 4 | 60 | 60 | 1 | 15 | 2 | 8 | 5 | 0 | 10 | 0 | 10 | 45 | 0 | 0 | 3 | 3 | 0 |
| 1 | 12 | 521111 | 3 | 30 | 45 | 1 | 15 | 2 | 7 | 5 | 0 | 10 | 0 | 10 | 50 | 0 | 0 | 3 | 3 | 0 |
| 1 | 12 | 113121 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 211111 | 3 | 45 | 45 | 1 | 15 | 2 | 7 | 5 | 0 | 10 | 0 | 10 | 45 | 0 | 5 | 5 | 3 | 0 |
| 1 | 12 | 224111 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 312111 | 3 | 60 | 60 | 1 | 10 | 1 | 7 | 5 | 0 | 15 | 0 | 10 | 45 | 0 | 0 | 5 | 3 | 0 |
| 1 | 12 | 314112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 12 | 412111 | 3 | 60 | 60 | 1 | 15 | 2 | 7 | 5 | 0 | 10 | 0 | 10 | 30 | 0 | 0 | 3 | 3 | 0 |
| 1 | 12 | 414111 | 3 | -1 | -1 | -1 | -1 | -1 | 7 | 5 | 0 | 15 | 0 | 10 | -1 | 0 | 0 | 3 | 3 | 0 |
| 1 | 12 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 10 82 | 2 |
| MOS | :13E20 | GUNNER : | 81 | 10 |
| IN ARMY | : 5YR | AS.GUNNER : | 81 | 4 |
| IN ARTILLERY | : 5YR | LOADER : | | |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED : 5

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: CH.SECT | GUNNER | | ASST.GUNNER | | LOADER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP | COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 5 | 7 | 7 | 7 | 5 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 | 1 | 411111 | 3 | 35 | 35 | 2 | 8 | 4 | 20 | 5 | 8 | 10 | 0 | 5 | 6 | 0 | 4 | 4 | 0 | 0 |
| 1 | 1 | 515831 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 114111 | 8 | 80 | 35 | 1 | 1 | 3 | 15 | 0 | 9 | 9 | 0 | 0 | 5 | 0 | 3 | 2 | 0 | 0 |
| 1 | 1 | 515311 | 3 | 35 | 30 | 1 | 1 | 3 | 25 | 0 | 9 | 9 | 8 | 5 | 6 | 0 | 4 | 2 | 0 | 0 |
| 1 | 1 | 215111 | 3 | 20 | 25 | 2 | 4 | 5 | 20 | 5 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 2 | 0 | 0 |
| 1 | 1 | 415111 | 3 | 25 | 25 | 1 | 3 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 2 | 0 | 0 |
| 1 | 1 | 311111 | 3 | 25 | 25 | 2 | 0 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 |
| 1 | 1 | 313111 | 3 | 30 | 25 | 1 | 2 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 2 | 0 | 0 |
| 1 | 1 | 515223 | 8 | -1 | -1 | 1 | [illegible] | 1 | 40 | 15 | 15 | 20 | 15 | 15 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 414112 | 3 | 40 | 40 | 1 | 1 | 2 | 30 | 10 | 10 | 10 | 10 | 10 | 6 | 0 | 4 | 4 | 0 | 0 |
| 1 | 1 | 535111 | 8 | -1 | -1 | -1 | -1 | -1 | 40 | 30 | 25 | 25 | 15 | 20 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 112111 | 8 | 20 | 25 | 4 | 8 | 8 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 514111 | 8 | 60 | 60 | 1 | -1 | 2 | 40 | 7 | 8 | 6 | 8 | 5 | 8 | 0 | 3 | 2 | 0 | 0 |
| 1 | 1 | 313112 | 3 | 45 | 40 | 1 | 1 | 2 | 25 | 10 | 9 | 9 | 9 | 5 | 7 | 0 | 0 | 2 | 0 | 0 |
| 1 | 1 | 315113 | 8 | -1 | -1 | -1 | -1 | -1 | 50 | 20 | 15 | 15 | 12 | 15 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 513111 | 3 | 35 | 35 | 1 | 2 | 2 | 25 | 12 | 10 | 12 | 8 | 5 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 123111 | 2 | 30 | 25 | 2 | 2 | 3 | 25 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 2 | 2 | 0 |
| 1 | 1 | 334231 | 5 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 113111 | 8 | 18 | 25 | 2 | 8 | 4 | 15 | 5 | 8 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 521111 | 4 | 20 | 25 | 2 | 2 | 2 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 113121 | 3 | 20 | 25 | 2 | 3 | 3 | 25 | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 211111 | 8 | 20 | 25 | 2 | 8 | 5 | 18 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 224111 | 3 | 30 | 35 | 1 | 2 | 2 | 25 | 12 | 9 | 9 | 9 | 6 | 5 | 0 | 0 | 2 | 0 | 0 |
| 1 | 1 | 415318 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 312111 | 8 | 25 | 30 | 1 | 2 | 2 | 20 | 6 | 9 | 9 | 9 | 5 | 3 | 0 | 0 | 2 | 0 | 0 |
| 1 | 1 | 314112 | 8 | 30 | 30 | 1 | 1 | 1 | 30 | 20 | 12 | 15 | 10 | 8 | 6 | 0 | 0 | 2 | 0 | 0 |
| 1 | 1 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | 20 | 15 | 18 | 10 | 8 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 1 | 412111 | 3 | 25 | 30 | 2 | 2 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 |
| 1 | 1 | 414111 | 3 | 25 | 25 | 2 | 3 | 3 | 30 | 0 | 9 | 9 | 8 | 5 | 3 | 0 | 3 | 2 | 0 | 0 |
| 1 | 1 | 525111 | 3 | 30 | 35 | 1 | 3 | 3 | 25 | 6 | 10 | 10 | 9 | 5 | 4 | 0 | 3 | 2 | 0 | 0 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR GO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 10 81 | 1 |
| MOS | :13B20 | GUNNER : | 78 | 3 |
| IN ARMY | : 8YR | AS.GUNNER : | 75 | 3 |
| IN ARTILLERY | : 6YR | LOADER : | 74 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP COMP | LOG | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PROJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 2 | 411111 | 3 | 25 | 45 | 2 | 15 | 15 | 20 | 5 | 0 | 14 | 0 | 10 | 7 | 0 | 0 | 5 | 0 | 0 |
| 1 | 2 | 515431 | 3 | -1 | -1 | 1 | 5 | 5 | 25 | 15 | 20 | 30 | 20 | 25 | -1 | -1 | 10 | 10 | 7 | 10 |
| 1 | 2 | 114111 | 3 | 30 | 30 | 2 | 10 | 5 | 20 | 0 | 0 | 15 | 0 | 15 | 7 | 7 | 5 | 5 | 0 | 0 |
| 1 | 2 | 515311 | 3 | 40 | 50 | 1 | 5 | 5 | 20 | 15 | 15 | 25 | 15 | 20 | -1 | 15 | 7 | 5 | 5 | 10 |
| 1 | 2 | 213111 | 3 | 0 | 0 | 3 | 10 | 7 | 7 | 0 | 0 | 10 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 413111 | 3 | 0 | 35 | 3 | 10 | 7 | 7 | 5 | 0 | 15 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 311111 | 3 | 0 | 0 | 3 | 15 | 10 | 10 | 0 | 0 | 10 | 0 | 10 | 5 | 0 | 0 | 3 | 0 | 0 |
| 1 | 2 | 313111 | 3 | 30 | 60 | 3 | 10 | 5 | 10 | 5 | 0 | 15 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 10 |
| 1 | 2 | 515223 | 3 | -1 | -1 | -1 | 5 | -1 | 20 | 5 | 10 | 20 | 10 | 20 | -1 | -1 | 5 | 5 | 5 | 10 |
| 1 | 2 | 414112 | 3 | 65 | -1 | 2 | 10 | 4 | 10 | 5 | 10 | 25 | 10 | 25 | -1 | 0 | 0 | 5 | 0 | 10 |
| 1 | 2 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 5 | 15 | 40 | 15 | 35 | -1 | -1 | 7 | 7 | 5 | 10 |
| 1 | 2 | 112111 | 3 | 0 | 0 | 3 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 514111 | 3 | 30 | 40 | 2 | 5 | 5 | 10 | 5 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 10 |
| 1 | 2 | 313113 | 3 | 40 | -1 | 2 | -1 | -1 | 10 | 5 | 10 | 25 | 10 | 25 | -1 | 0 | 5 | 5 | 0 | 10 |
| 1 | 2 | 513111 | 3 | 30 | 50 | 2 | 5 | 5 | 10 | 0 | 0 | 0 | 0 | 7 | 10 | 0 | 5 | 5 | 0 | 10 |
| 1 | 2 | 123111 | 3 | 0 | 0 | 3 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | 15 | 25 | 15 | 25 | -1 | -1 | 5 | 5 | 5 | 15 |
| 1 | 2 | 113111 | 3 | 0 | 0 | 3 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 521111 | 3 | 30 | 45 | 2 | 5 | 5 | 10 | 5 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 211111 | 3 | 0 | 0 | 3 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 224111 | 3 | 30 | 40 | 2 | 5 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 10 |
| 1 | 2 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | 5 | 20 |
| 1 | 2 | 211131 | 3 | 30 | 50 | 2 | 5 | 5 | 8 | 5 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 10 |
| 1 | 2 | 112121 | 3 | 0 | 0 | 3 | 15 | 10 | 5 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |

SUPERVISE AND TRAIN THE PERSONNEL IN MY SECTION AND BATTERY, PERFORM DUTIES AS A SECTION CHIEF.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | 3F-4 | CH.OF SECTION: | 75 | 8 |
| MOS | 13P30 | GUNNER | : | |
| IN ARMY | 11OYR | AS.GUNNER | : | |
| IN ARTILLERY | 11OYR | LOADER | : | |

WHEN

COMBAT :
ARTIL. COMBATIN

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW | RESP | SYMP SUPP | CON CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PROJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 4 411111 | 0 | 20 | 60 | 3 | 10 | 3 | 10 | 10 | 10 | 20 | 10 | 15 | 8 | 10 | 5 | 4 | 3 | 10 |
| 1 | 4 515431 | 0 | -1 | -1 | 1 | 3 | 1 | 1.2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 114111 | 0 | 60 | -1 | -1 | -1 | 1 | 300 | 5 | 10 | 15 | 10 | 8 | -1 | -1 | -1 | 5 | 5 | 15 |
| 1 | 4 515311 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | 20 | 10 | 15 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 213111 | 0 | 20 | 30 | 2 | 10 | 4 | 360 | 5 | 0 | 0 | 0 | 5 | 5 | 8 | 5 | 3 | 3 | 7 |
| 1 | 4 413111 | 0 | 0 | 40 | 3 | 15 | 4 | 120 | 6 | 0 | 10 | 0 | 8 | 5 | 8 | 4 | 2.5 | 2 | 6 |
| 1 | 4 311111 | 0 | 0 | 45 | 3 | 10 | 5 | 15 | 7 | 0 | 10 | 0 | 5 | 6 | 10 | 5 | 2 | 0 | 6 |
| 1 | 4 313111 | 0 | 20 | -1 | 1 | 5 | 2 | 240 | 10 | 0 | 15 | 0 | 10 | 10 | 10 | 5 | 4 | 2 | 8 |
| 1 | 4 515223 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 414112 | 0 | -1 | -1 | -1 | 2 | 1 | 300 | -1 | 15 | 20 | 15 | 15 | -1 | 15 | -1 | 10 | 5 | -1 |
| 1 | 4 535111 | 0 | -1 | -1 | 1 | -1 | 1 | 180 | 20 | 10 | 15 | 10 | 10 | -1 | -1 | 10 | 5 | 5 | 20 |
| 1 | 4 112111 | 0 | 0 | 0 | 10 | 20 | 9 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 4 514111 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 0 | 10 | 0 | 10 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 315113 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 513111 | 0 | 90 | 120 | 3 | 8 | 4 | 60 | 4 | 0 | 10 | 0 | 5 | 15 | 10 | 10 | 3 | 3.5 | 10 |
| 1 | 4 123111 | 0 | 20 | 60 | 2 | 5 | 4 | 40 | 5 | 0 | 10 | 0 | 5 | 10 | 15 | 10 | 3 | 2 | 15 |
| 1 | 4 334231 | 0 | -1 | -1 | -1 | 1 | 1 | 600 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 113111 | 0 | 0 | 30 | 6 | 15 | 7 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 4 521111 | 0 | 60 | 60 | 3 | 10 | 5 | 180 | 0 | 0 | 10 | 0 | 0 | 15 | 15 | 15 | 10 | 5 | 15 |
| 1 | 4 211111 | 0 | 0 | 60 | 5 | 10 | 6 | 30 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 10 |
| 1 | 4 224111 | 0 | -1 | -1 | -1 | -1 | -1 | 180 | -1 | 15 | 20 | 15 | 10 | -1 | -1 | -1 | 15 | 10 | 15 |
| 1 | 4 415318 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 214131 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 4 112121 | 0 | -1 | -1 | 1 | 3 | 1 | 40 | 5 | 0 | 0 | 0 | 0 | 15 | 0 | 10 | 0 | 0 | 10 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 6 82 | 1 |
| MOS | :13B20 | GUNNER | :11 80 | 2 1 |
| IN ARMY | : 4YR 3MO | AS.GUNNER | : | |
| IN ARTILLERY | : 4YR 3 MO | LOADER | : | |

COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 20

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| CREW | SYMP | COMP | RESP | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PRJCTL | LOADER: POS OF RAMMER | LOADER: PLACE CHARGE | LOADER: INS PRIM | LOADER: FIRE | LOADER: SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 5 | 411111 | 5 | 25 | 40 | 10 | 25 | 15 | 12 | 5 | 0 | 12 | 10 | 0 | 6 | 0 | 0 | 3 | 0 | 6 |
| 1 | 5 | 515731 | 4 | -1 | -1 | 1 | 12 | 2 | 20 | 7 | 10 | 12 | 10 | 10 | -1 | 0 | 8 | -1 | 3 | 5 |
| 1 | 5 | 114111 | 5 | 25 | 40 | 5 | 5 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 |
| 1 | 5 | 515711 | 4 | -1 | 65 | 2 | 5 | 2 | 10 | 6 | 9 | 10 | 0 | 6 | 4 | 0 | 4 | 3 | 0 | 5 |
| 1 | 5 | 213111 | 5 | 65 | 50 | 3 | 2 | 4 | 12 | 6 | 10 | 12 | 9 | 6 | 4 | 0 | 5 | 3.5 | 0 | 5 |
| 1 | 5 | 413111 | 5 | 30 | 40 | 3 | 8 | 2 | 12 | 7 | 10 | 12 | 9 | 6 | 6 | 0 | 4 | 3.5 | 0 | 6 |
| 1 | 5 | 311111 | 5 | 20 | 30 | 10 | 10 | 5 | 6 | 5 | 0 | 9 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 5 | 313111 | 4 | 20 | 40 | 10 | 15 | 5 | 8 | 5 | 0 | 9 | 0 | 5 | 0 | 0 | 4 | 2.5 | 0 | 4 |
| 1 | 5 | 515223 | 5 | -1 | -1 | 2 | 10 | 4 | 12 | -1 | 12 | 15 | 12 | 7 | -1 | 7 | 5 | 4 | 2 | 6 |
| 1 | 5 | 414112 | 5 | 30 | 40 | 5 | 20 | 4 | 8 | 5 | 10 | 12 | 9 | 5 | 5 | 0 | 4 | 2.5 | 0 | 5 |
| 1 | 5 | 535111 | 4 | 30 | 40 | 6 | 20 | 6 | 8 | 5 | 10 | 15 | 9 | 6 | 4 | 0 | 5 | 3 | 0 | 50 |
| 1 | 5 | 112111 | 5 | 20 | 25 | 10 | 20 | 6 | 8 | 0 | 0 | 9 | 0 | 5 | 4 | 0 | 0 | 2 | 0 | 0 |
| 1 | 5 | 514111 | 5 | 20 | 30 | 10 | 15 | 8 | 10 | 5 | 10 | 12 | 10 | 5 | 3 | 0 | 0 | 2 | 0 | 0 |
| 1 | 5 | 315113 | 5 | 60 | -1 | 2 | 10 | 2 | 12 | 10 | 12 | 15 | 10 | 6 | 5 | 7 | 4 | 3 | 2 | 5 |
| 1 | 5 | 513111 | 5 | 20 | 25 | 12 | 15 | 6 | 8 | 5 | 0 | 9 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 0 |
| 1 | 5 | 125111 | 5 | 20 | 28 | 12 | 15 | 6 | 8 | 0 | 0 | 10 | 0 | 6 | 3 | 0 | 0 | 2 | 0 | 4 |
| 1 | 5 | 334231 | 4 | 30 | 40 | 5 | 10 | 5 | 12 | 7 | 10 | 12 | 0 | 5 | 4 | 0 | 0 | 2 | 0 | 5 |
| 1 | 5 | 113111 | 5 | 20 | 25 | 20 | 25 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 5 | 521111 | 5 | 20 | 30 | 10 | 20 | 8 | 6 | 0 | 0 | 9 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 4 |
| 1 | 5 | 211111 | 5 | 17 | 30 | 12 | 20 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 5 | 224111 | 5 | 25 | 35 | 10 | 25 | 6 | 8 | 5 | 10 | 12 | 10 | 5 | 4 | 0 | 3 | 2 | 0 | 5 |
| 1 | 5 | 415314 | 5 | -1 | -1 | -1 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 5 | 214131 | 5 | 40 | 50 | 4 | 15 | 5 | 10 | 7 | 10 | 12 | 10 | 7 | 4 | 7 | 4 | 2.5 | 2 | 5 |
| 1 | 5 | 112121 | 4 | 25 | 30 | 10 | 20 | 6 | 8 | 6 | 0 | 10 | [illegible] | 7 | 3 | 0 | 4 | 2 | 0 | 0 |

I HAVE TO SUPERVISE MY PEOPLE IN THE MORNING, WICH IS 7 PEOPLE, IN CLEANING UP THEIR ROOM AND GETTING READY FOR THE JOB. I HAVE A MILVAR HOWITZER,& TRCK, THAT I HAVE TO MAKE SURE THE PROPER PREVENTIVE MAINTENANCE + CHECKS AND SERVICES ARE DONE. I HAVE TO BE ACCOUNTABLE FOR MY TOOLS AND SERVICABILITY

DEMOGRAPHIC DATA

| | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|
| GRADE :E-5 | CH.OF SECTION: | 10 82 | 1 |
| MOS :13B20 | GUNNER : | 81 | 8 |
| IN ARMY : 5YR | AS.GUNNER : | 79 | 2 |
| IN ARTILLERY : 5YR | LOADER : | 78 | 1 8 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SYMP COMP | COH | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 7 411111 | 8 | 90 | 50 | 8 | 30 | 10 | 10 | 7 | 0 | 0 | 10 | 0 | 6 | 0 | 0 | 3 | 0 | 4 |
| 1 | 7 515431 | 0 | -1 | -1 | -1 | -1 | -1 | 120 | 120 | 180 | 190 | 180 | 195 | -1 | 195 | 190 | -1 | -1 | -1 |
| 1 | 7 114111 | 8 | 120 | -1 | 2 | 5 | 1 | 40 | 20 | 30 | 30 | 20 | 20 | -1 | 10 | 15 | 10 | 5 | 8 |
| 1 | 7 515311 | 8 | -1 | -1 | -1 | -1 | -1 | 45 | 65 | 60 | 60 | 30 | 60 | -1 | 60 | 40 | -1 | -1 | -1 |
| 1 | 7 213111 | 9 | 120 | 120 | 2 | 2 | 2 | 40 | 10 | 10 | 12 | 10 | 15 | 30 | 12 | 10 | 8 | 6 | 12 |
| 1 | 7 413111 | 8 | 120 | 125 | 2 | 2 | 1 | 30 | 10 | 15 | 18 | 15 | 15 | -1 | -1 | 10 | 10 | 6 | 10 |
| 1 | 7 311111 | 8 | 95 | 60 | 2 | 2 | 2 | 25 | 5 | 0 | 0 | 8 | 5 | 10 | 8 | 5 | 3 | 3 | 5 |
| 1 | 7 313111 | 8 | 120 | -1 | 1 | 2 | 2 | 25 | 5 | 0 | 10 | 0 | 8 | 12 | 10 | 5 | 3 | 3 | 5 |
| 1 | 7 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 195 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 7 414112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 300 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 7 535111 | 8 | -1 | -1 | -1 | -1 | -1 | 300 | 300 | -1 | -1 | 300 | -1 | -1 | -1 | -1 | -1 | 300 | -1 |
| 1 | 7 112111 | 4 | 35 | 65 | 5 | 10 | 5 | 30 | 10 | 10 | 10 | 10 | 5 | 8 | 10 | 7 | 5 | 3 | 5 |
| 1 | 7 514111 | 8 | -1 | -1 | -1 | -1 | -1 | 75 | 60 | 29 | 30 | 30 | 30 | -1 | 35 | 19 | 10 | 7 | 12 |
| 1 | 7 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 7 513111 | 8 | 120 | -1 | 2 | 5 | 2 | 25 | 15 | 20 | 25 | 20 | 25 | -1 | 20 | 15 | 10 | 6 | 8 |
| 1 | 7 123111 | 8 | 120 | 195 | 2 | 5 | 4 | 20 | 9 | 29 | 30 | 25 | 20 | 25 | 15 | 10 | 10 | 10 | 15 |
| 1 | 7 334251 | 8 | -1 | -1 | -1 | -1 | -1 | 145 | 300 | 300 | 300 | 300 | 300 | -1 | 300 | 300 | 210 | 120 | 300 |
| 1 | 7 113111 | 8 | 65 | 190 | 3 | 5 | 4 | 20 | 0 | 0 | 10 | 10 | 7 | 6 | 7 | 5 | 3 | 3 | 5 |
| 1 | 7 521111 | 8 | 25 | 40 | 3 | 8 | 6 | 20 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 3 | 3 | 5 |
| 1 | 7 211111 | 8 | -1 | -1 | -1 | 1 | -1 | 45 | 5 | 10 | 10 | 10 | 12 | 10 | 10 | 5 | 3 | 3 | 6 |
| 1 | 7 224111 | 9 | 120 | -1 | 2 | 1 | -1 | 20 | 10 | 12 | 12 | 15 | 15 | -1 | 10 | 10 | 5 | 3 | 8 |
| 1 | 7 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 75 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 7 214131 | 8 | -1 | -1 | -1 | -1 | -1 | 49 | 120 | 60 | 65 | 60 | 60 | -1 | 35 | 39 | 25 | 20 | 35 |
| 1 | 7 112121 | 4 | 69 | -1 | 2 | 1 | 1 | 45 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 5 | 3 | 3 | 6 |

AS CHIEF OF SECTION MY DUTIES HAS BEEN TO TRAIN MY MEN TO DO THEIR ASSIGN TASK SO THAT THE UNIT MAY DO ITS MISSION ALSO TO TRAIN THEM IN THE BEST MEANS POSSIBLE IN THEIR ASSIGN MOS.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | CH.OF SECTION: | 70 | 10 |
| MOS | :13P5PO | GUNNER : | | |
| IN ARMY | :12YR | AS.GUNNER : | | |
| IN ARTILLERY | :10YR | LOADER : | | |
| | WHEN | | | |
| COMBAT | :Y 70 72 | | | |
| ARTIL. COMBAT | :Y 70 72 | #SUPERVISED : 10 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SIMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 9 411111 | 4 | 30 | -1 | 10 | 15 | 10 | 60 | 5 | 0 | 10 | 0 | 7 | -1 | 0 | 0 | 4.5 | 3 | 10 |
| 1 | 9 515451 | 4 | 120 | -1 | 2 | 2 | 1 | 3 | 30 | 30 | 40 | 30 | 40 | -1 | -1 | -1 | 15 | 10 | 40 |
| 1 | 9 114111 | 5 | 30 | 100 | 5 | -1 | 2 | 1 | 0 | 0 | 10 | 0 | 5 | 5 | 0 | 3 | 3 | 0 | 0 |
| 1 | 9 515311 | 4 | 40 | -1 | 2 | 1 | -1 | 100 | 0 | 0 | 15 | 0 | 10 | -1 | 20 | 10 | 5 | 5 | 20 |
| 1 | 9 213111 | 3 | 25 | 45 | 8 | 10 | 15 | 60 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 3 | 3 | 10 |
| 1 | 9 413111 | 3 | 30 | 60 | 10 | 5 | 5 | 60 | 5 | 0 | 15 | 0 | 10 | 10 | 0 | 5 | 5 | 5 | 15 |
| 1 | 9 311111 | 3 | 0 | 60 | 6 | 15 | 15 | 60 | 5 | 0 | 0 | 0 | 9 | 5 | 0 | 5 | 3 | 3 | 0 |
| 1 | 9 313111 | 4 | 25 | 80 | 6 | 5 | 10 | 60 | 5 | 0 | 0 | 0 | 7 | 5 | 0 | 5 | 3 | 3 | 10 |
| 1 | 9 515223 | 4 | -1 | -1 | -1 | 1 | -1 | 90 | 15 | 15 | 20 | 15 | 20 | -1 | 20 | 10 | 10 | 5 | 20 |
| 1 | 9 414112 | 4 | 40 | -1 | 5 | 1 | 3 | 90 | 10 | 15 | 20 | 15 | 20 | -1 | 20 | 10 | 10 | 5 | 20 |
| 1 | 9 535111 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | 10 | 15 | 20 | 15 | 20 | -1 | 20 | 10 | 10 | 5 | 20 |
| 1 | 9 112111 | 4 | 0 | 40 | 10 | 5 | 20 | 60 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 0 |
| 1 | 9 514111 | 3 | -1 | -1 | -1 | 2 | -1 | 120 | 5 | 15 | 20 | 15 | 20 | -1 | 15 | 10 | 10 | 3 | 15 |
| 1 | 9 315113 | 0 | -1 | -1 | -1 | 1 | -1 | 120 | 5 | 14 | 14 | 20 | 20 | -1 | 25 | 10 | 5 | 3 | 15 |
| 1 | 9 513111 | 4 | 30 | 60 | 5 | 5 | 10 | 75 | 0 | 0 | 0 | 0 | 7 | 10 | 0 | 5 | 3 | 0 | 10 |
| 1 | 9 123111 | 4 | 0 | 25 | 8 | 10 | 10 | 60 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 10 |
| 1 | 9 334251 | 4 | -1 | -1 | -1 | -1 | -1 | 12 | 10 | 20 | 30 | 20 | 30 | -1 | -1 | 15 | 15 | 10 | 30 |
| 1 | 9 113111 | 4 | 0 | 30 | 10 | 10 | 15 | 60 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 10 |
| 1 | 9 521111 | 4 | 0 | 0 | 10 | 15 | 20 | 60 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 10 |
| 1 | 9 211111 | 4 | 0 | 45 | 6 | 15 | 20 | 60 | 5 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 10 |
| 1 | 9 224111 | 4 | -1 | -1 | 2 | 3 | 10 | 60 | 10 | 10 | 15 | 10 | 15 | -1 | 10 | 10 | 5 | 3 | 15 |
| 1 | 9 415310 | 3 | -1 | -1 | 1 | 2 | 2 | 120 | 10 | 20 | 30 | 20 | 30 | -1 | 15 | 10 | 10 | 3 | 20 |
| 1 | 9 214131 | 0 | -1 | -1 | -1 | 1 | -1 | 120 | 10 | 15 | 20 | 15 | 20 | -1 | 20 | 10 | 10 | 5 | 17.5 |
| 1 | 9 112121 | 4 | 0 | 35 | 8 | 10 | 20 | 60 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 | 5 |

I AM A CHIEF OF SECTION OF 155 SP, M109A3 AND THAT IS WHAT I HAVE DONT AND SUGERI TRAINA SODIER, * C 3/18FA

DEMOGRAPHIC DATA

| | | | WHEN DO YR | HOW LONG YR DO |
|---|---|---|---|---|
| GRADE | :E-5 | CH. OF SECTION: | 2 | 4 |
| MOS | :13E20 | GUNNER : | 1 | |
| IN ARMY | : 4YR | AS. GUNNER : | 1 | |
| IN ARTILLERY | : 4YR | LOADER : | | |

WHEN
COMBAT :N
ARTIL. COURATION    #SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SYMP COMP | LON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PROJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIMULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 14 | 411111 | 9 | 35 | 45 | 6 | 2 | 4 | 3 | 6 | 0 | 14 | 0 | 5 | 40 | 0 | 3 | 2 | 0 | 0 |
| 1 14 | 515431 | 9 | -1 | -1 | 1 | 40 | 1 | 20 | 6 | 25 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | 14 | 30 |
| 1 14 | 114111 | 9 | -1 | -1 | 2 | 40 | 2 | -1 | 6 | 0 | 0 | 8 | 0 | -1 | 8 | 6 | 10 | 4 | 8 |
| 1 14 | 515311 | 9 | -1 | -1 | -1 | 25 | -1 | 8 | 6 | 0 | 0 | 0 | 6 | 22 | 10 | 4 | 2 | 0 | 4 |
| 1 14 | 213111 | 9 | -1 | -1 | -1 | 1 | 1 | 9 | -1 | -1 | -1 | -1 | -1 | -1 | 30 | 8 | -1 | -1 | -1 |
| 1 14 | 413111 | 9 | 30 | -1 | -1 | -1 | 1 | 45 | 6 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 4 | -1 | -1 |
| 1 14 | 211111 | 9 | 30 | 40 | 3 | 2 | -1 | 4 | 10 | 0 | 12 | 8 | 10 | 20 | 15 | 5 | 0 | 0 | 10 |
| 1 14 | 313111 | 9 | 0 | 0 | 1 | 5 | 2 | 10 | 7 | 10 | 10 | 0 | 6 | 25 | 10 | 12 | 5 | 0 | 8 |
| 1 14 | 515223 | 0 | -1 | -1 | -1 | -1 | 4 | 8 | 6 | 13 | -1 | 10 | -1 | -1 | 25 | -1 | 8 | 2 | 10 |
| 1 14 | 414112 | 9 | -1 | 0 | -1 | 10 | 2 | 5 | 7 | 0 | 10 | 0 | 10 | -1 | 15 | 9 | 0 | 0 | 14 |
| 1 14 | 535111 | 9 | 0 | -1 | 2 | 5 | 4 | 3 | 8 | 0 | 10 | 14 | 8 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 112111 | 9 | -1 | 40 | 2 | 10 | 1 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 4 | 4 | -1 | 4 |
| 1 14 | 514111 | 9 | 30 | -1 | 2 | 3 | 1 | -1 | -1 | -1 | -1 | 8 | 4 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 313112 | 9 | -1 | -1 | 3 | 2 | 1 | -1 | 8 | 8 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | 4 | 5 |
| 1 14 | 315113 | 9 | -1 | -1 | 2 | 5 | 1 | -1 | 10 | 999 | 8 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 513111 | 9 | -1 | 40 | 2 | 3 | 2 | 1 | 6 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 123111 | 9 | 999 | 999 | 1 | 2 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | 4 | 3 | 0 | 0 |
| 1 14 | 334231 | 9 | 30 | -1 | 1 | -1 | -1 | 4 | 8 | 0 | 0 | -1 | 999 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 113111 | 9 | -1 | 0 | 4 | 5 | 4 | 3 | 6 | 0 | 0 | 0 | 4 | 9 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 521111 | 9 | -1 | -1 | 1 | 3 | 4 | 7 | 6 | -1 | 0 | 0 | 0 | -1 | 0 | 3 | 0 | 0 | -1 |
| 1 14 | 113121 | 3 | 30 | 40 | 2 | 5 | 6 | 3 | 8 | -1 | 0 | 9 | 4 | -1 | 0 | -1 | -1 | -1 | -1 |
| 1 14 | 211111 | 3 | -1 | -1 | 1 | 2 | 3 | 2 | 5 | -1 | 0 | 8 | 4 | 4 | -1 | 0 | -1 | 0 | 0 |
| 1 14 | 224111 | 9 | 30 | 25 | 2 | 3 | 2 | 1 | 4 | -1 | 0 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 415314 | 2 | -1 | 0 | 2 | 10 | 2 | 4 | 0 | 8 | -1 | -1 | -1 | -1 | -1 | 4 | 3 | 0 | 6 |
| 1 14 | 312111 | 9 | -1 | 0 | 2 | 4 | -1 | -1 | 8 | -1 | -1 | -1 | 0 | 0 | 0 | 4 | 3 | 2 | 4 |
| 1 14 | 314112 | 9 | 999 | 999 | 2 | 1 | 5 | 2 | 0 | -1 | 0 | 0 | 4 | 0 | 0 | -1 | -1 | 0 | 0 |
| 1 14 | 314113 | 9 | 30 | 40 | 2 | 1 | 7 | -1 | -1 | 0 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 14 | 412111 | 9 | -1 | 0 | -1 | -1 | 2 | 1 | -1 | 10 | 0 | 0 | 0 | 0 | 10 | -1 | -1 | -1 | -1 |
| 1 14 | 414111 | 9 | -1 | 0 | 2 | 1 | -1 | 15 | 4 | 10 | 0 | 8 | 4 | 5 | 6 | 0 | -1 | -1 | -1 |
| 1 14 | 525111 | 9 | -1 | 0 | -1 | 2 | 1 | 7 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 999 | 0 |

I HAVE BEING A NUCLEAR ASSEMBLER AND READEN ON THE SPECIAL WEAPONS SECTION (A* HQ T.) ALSO I BEEN BTRY NBC NCO, AND ALTERNATE ENLISTED NBC NCO.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | CH.OF SECTION: | | 2 |
| MOS | : | GUNNER : | | 1 |
| IN ARMY | : 2YR 8MO | AS.GUNNER : | | 7 |
| IN ARTILLERY | : 2YR 8 | LOADER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW RESP | SUBJ COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 17 | 411111 | 0 | 60 | 30 | 1 | 3 | 3 | 5 | | 25 | 15 | 30 | 0 | 7 | 10 | 15 | 10 | 0 | 0 | 7 |
| 1 17 | 515431 | 0 | -1 | -1 | -1 | -1 | -1 | 1 | | 45 | 40 | 60 | 30 | 35 | -1 | 25 | -1 | 15 | 5 | -1 |
| 1 17 | 114111 | 0 | -1 | -1 | 1 | 2 | -1 | 3 | | 30 | 10 | 15 | 0 | 10 | -1 | 15 | -1 | 7 | 0 | 7 |
| 1 17 | 515311 | 0 | -1 | -1 | -1 | -1 | -1 | 15 | | 30 | 9 | 15 | 0 | 7 | -1 | 10 | -1 | 3 | 0 | 15 |
| 1 17 | 213111 | 0 | 60 | 60 | 2 | 5 | 1 | 5 | | 10 | 0 | 10 | 0 | 7 | 7 | 10 | 10 | 0 | 0 | 6 |
| 1 17 | 413111 | 0 | 90 | 120 | 1 | 3 | 3 | 5 | | 7 | 0 | 10 | 0 | 10 | 8 | 7 | 10 | 5 | 0 | 10 |
| 1 17 | 311111 | 0 | 30 | 60 | 2 | 5 | 2 | 5 | | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 6 | 0 | 0 | 5 |
| 1 17 | 313111 | 0 | 25 | 30 | 1 | 3 | 2 | 5 | | 0 | 0 | 0 | 0 | 0 | 10 | 7 | 10 | 0 | 0 | 5 |
| 1 17 | 515223 | 0 | -1 | -1 | -1 | -1 | -1 | 10 | | 15 | 25 | 13 | 10 | 7 | -1 | -1 | -1 | 10 | 5 | -1 |
| 1 17 | 414112 | 0 | 999 | 999 | 1 | 3 | 1 | 6 | | 5 | 0 | 10 | 0 | 7 | 10 | 8 | 10 | 0 | 0 | 0 |
| 1 17 | 535111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | | 15 | 28 | 35 | 15 | 20 | -1 | 10 | -1 | 5 | 0 | 10 |
| 1 17 | 112111 | 0 | 0 | 0 | 3 | 7 | 5 | 4 | | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 5 |
| 1 17 | 514111 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | | 10 | 8 | 12 | 10 | 10 | -1 | 10 | -1 | 5 | 0 | 5 |
| 1 17 | 313112 | 0 | 35 | 110 | 1 | 5 | 3 | 7 | | 5 | 0 | 0 | 0 | 0 | 15 | 10 | 10 | 5 | 0 | 5 |
| 1 17 | 315113 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | | 20 | 15 | 25 | 10 | 10 | -1 | -1 | -1 | 15 | 5 | 7 |
| 1 17 | 513111 | 0 | 85 | -1 | 1 | 2 | -1 | 9 | | 5 | 9 | 12 | 10 | 7 | 10 | 8 | 10 | 5 | 3 | 5 |
| 1 17 | 123111 | 0 | 60 | 120 | 2 | 4 | -1 | 10 | | 0 | 0 | 0 | 0 | 0 | 15 | 10 | 10 | 5 | 3 | 5 |
| 1 17 | 334232 | 0 | -1 | -1 | -1 | -1 | -1 | 12 | | 5 | 0 | 10 | 0 | 10 | -1 | -1 | -1 | 6 | 3 | 10 |
| 1 17 | 113111 | 0 | 25 | 35 | 1 | 3 | 2 | 5 | | 0 | 0 | 0 | 0 | 0 | 10 | 6 | 10 | 3 | 2 | 5 |
| 1 17 | 521111 | 0 | 999 | 990 | 2 | 3 | 2 | 6 | | 7 | 9 | 10 | 0 | 9 | 10 | 7 | 8 | 3 | 2 | 4 |
| 1 17 | 113121 | 0 | 85 | 60 | 1 | 5 | 3 | 10 | | 0 | 0 | 0 | 1 | 0 | 10 | 10 | 8 | 5 | 3 | 4 |
| 1 17 | 211111 | 0 | -1 | 30 | 2 | 3 | 3 | 5 | | 0 | 0 | 0 | 0 | 0 | 10 | 7 | 8 | 5 | 3 | 5 |
| 1 17 | 224111 | 0 | -1 | -1 | -1 | -1 | -1 | 15 | | 5 | 10 | 15 | 10 | 15 | -1 | 6 | -1 | 5 | 3 | 7 |
| 1 17 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | 10 |
| 1 17 | 312111 | 0 | 0 | 30 | 2 | 3 | -1 | 8 | | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 12 | 3 | 0 | 0 |
| 1 17 | 314112 | 0 | -1 | -1 | -1 | -1 | -1 | 10 | | 5 | 10 | 15 | 10 | 15 | -1 | -1 | -1 | -1 | 3 | 10 |
| 1 17 | 314113 | 0 | -1 | -1 | -1 | -1 | -1 | 10 | | 6 | 10 | 17 | 15 | 10 | -1 | -1 | -1 | 10 | 5 | 10 |
| 1 17 | 412111 | 0 | 20 | 30 | 3 | 5 | 3 | 5 | | 5 | 9 | 10 | 0 | 0 | 8 | 7 | 8 | 2 | 0 | 0 |
| 1 17 | 414111 | 0 | -1 | -1 | -1 | -1 | -1 | 12 | | 5 | 10 | 14 | 10 | 10 | -1 | -1 | -1 | 5 | 3 | 6 |
| 1 17 | 525111 | 0 | -1 | -1 | -1 | -1 | -1 | 8 | | 7 | 8 | 10 | 9 | 5 | -1 | -1 | -1 | 3 | 3 | 5 |

DETACHMENT SGT. OPERATIONS NCO, GUNNERY SGT. CHIEF OF SECTION, RE-ENLISTMENT NCO.

DEMOGRAPHIC DATA

| | | | WHEN DO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | CH.OF SECTION: | 74 | 8 |
| MOS | : | GUNNER : | 73 | 1 |
| IN ARMY | :10YR | AS.GUNNER : | 73 | 3 |
| IN ARTILLERY | :10YR | LOADER : | 72 | 1 |

COMBAT ARTIL. COMBAT: WHEN :N

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | GRADE | RESP | SYMP COMP | ORDINARY TASKS: CON CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT CALL QUAD ELEV | GUNNER SET DEF | GUNNER TRAV LEVEL | AST.GUNNER SET QUAD ELEV | AST.GUNNER ELEV LEVEL | LOADER LIFT PROJCTL | LOADER POS OF RAMMER | LOADER PLACE CHARGE | LOADER INS PRIM | LOADER FIRE | LOADER SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 18 | 411111 | 4 | 40 | -1 | 2 | 3 | 3 | -1 | 12 | 0 | 2 | 0 | 10 | -1 | 9 | 6 | 5 | 0 | 12 |
| 1 | 18 | 515431 | 4 | -1 | -1 | 1 | 1 | 1 | -1 | 15 | 0 | 20 | 0 | 17 | -1 | 12 | 13 | 7 | 0 | 10 |
| 1 | 18 | 114111 | 4 | 45 | -1 | 6 | 5 | 3 | 40 | 0 | 0 | 10 | 0 | 5 | 8 | 0 | 4 | 0 | 0 | 5 |
| 1 | 18 | 515311 | 4 | 40 | -1 | 2 | 3 | 2 | 60 | 5 | 0 | 12 | 0 | 6 | -1 | 8 | 5 | 3 | 4 | 6 |
| 1 | 18 | 213111 | 4 | 30 | 90 | 2 | 8 | 3 | 50 | 7 | 0 | 12 | 0 | 8 | 17 | 9 | 6 | 3 | 2 | 7 |
| 1 | 18 | 413111 | 4 | 30 | 120 | 3 | 8 | 3 | 40 | 5 | 0 | 20 | 0 | 12 | 18 | 8 | 5 | 4 | 4 | 9 |
| 1 | 18 | 311111 | 4 | 20 | 0 | 5 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | 0 | 6 |
| 1 | 18 | 313111 | 4 | 0 | 35 | 3 | 6 | 4 | 30 | 0 | 0 | 10 | 0 | 5 | 10 | 0 | 5 | 3 | 2 | 5 |
| 1 | 18 | 515223 | 4 | -1 | -1 | 1 | 2 | 1 | 50 | 5 | 0 | 15 | 0 | 10 | -1 | 8 | -1 | 5 | 5 | 5 |
| 1 | 18 | 414112 | 4 | 40 | -1 | 2 | 3 | 2 | 50 | 5 | 0 | 10 | 0 | 8 | -1 | 8 | -1 | 5 | 5 | 10 |
| 1 | 18 | 535111 | 4 | 60 | -1 | 2 | 2 | -1 | 60 | 10 | 0 | 15 | 0 | 10 | -1 | 10 | -1 | 5 | 5 | 10 |
| 1 | 18 | 112111 | 4 | 0 | 30 | 4 | 6 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0 | 5 |
| 1 | 18 | 514111 | 4 | 35 | -1 | 3 | 3 | 2 | 25 | 5 | 0 | 10 | 0 | 6 | -1 | 8 | -1 | 4 | 5 | 15 |
| 1 | 18 | 313112 | 4 | 40 | -1 | 3 | 6 | 3 | 32 | 0 | 0 | 9 | 0 | 5 | 10 | 8 | 6 | 5 | 4 | 12 |
| 1 | 18 | 315113 | 4 | -1 | -1 | 1 | 3 | 1 | 60 | 9 | 0 | 12 | 0 | 10 | -1 | 10 | -1 | 5 | 5 | 15 |
| 1 | 18 | 513111 | 4 | -1 | -1 | 1 | 3 | 1 | 50 | 5 | 0 | 9 | 0 | 6 | -1 | 0 | -1 | 5 | 5 | 9 |
| 1 | 18 | 123111 | 4 | 25 | -1 | 3 | 4 | -1 | 20 | 0 | 0 | 8 | 0 | 5 | -1 | 0 | -1 | 3 | 4 | 7 |
| 1 | 18 | 234231 | 4 | 35 | 0 | 2 | 3 | -1 | 30 | 6 | 0 | 10 | 0 | 9 | -1 | 7 | -1 | 5 | 5 | 9 |
| 1 | 18 | 113111 | 4 | 25 | [illegible] | 7 | 10 | 6 | 30 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 5 | 5 | 9 |
| 1 | 18 | 521111 | 4 | -1 | -1 | 1 | 2 | -1 | 35 | 8 | 0 | 15 | 0 | 12 | -1 | 12 | -1 | 5 | 5 | 17 |
| 1 | 18 | 113121 | 4 | 0 | 30 | 5 | 8 | 3 | 30 | 0 | 0 | 8 | 0 | 5 | 8 | 0 | 4 | 3 | 3 | 6 |
| 1 | 18 | 211111 | 4 | 20 | -1 | 4 | 6 | 3 | 30 | 5 | 0 | 8 | 0 | 6 | 6 | 0 | 4 | 0 | 0 | 5 |
| 1 | 18 | 224111 | 4 | 40 | -1 | 4 | 8 | -1 | 30 | 5 | 0 | 10 | 0 | 7 | -1 | 6 | -1 | 4 | 4 | 9 |
| 1 | 18 | 415314 | 4 | 50 | -1 | 1 | 2 | 2 | 40 | 10 | 0 | 15 | 0 | 7 | -1 | 10 | -1 | 5 | 5 | 11 |
| 1 | 18 | 312111 | 4 | 35 | 50 | 2 | 7 | 3 | 30 | 5 | 0 | 10 | 0 | 8 | 12 | 8 | 5 | 5 | 5 | 9 |
| 1 | 18 | 314112 | 4 | 40 | -1 | 1 | 3 | -1 | 40 | 7 | 0 | 13 | 0 | 10 | -1 | 8 | -1 | 5 | 5 | 11 |
| 1 | 18 | 314113 | 4 | -1 | -1 | 1 | 3 | -1 | 40 | 8 | 0 | 10 | 0 | 8 | -1 | 8 | -1 | 6 | 5 | 14 |
| 1 | 18 | 412111 | 4 | 18 | 30 | 4 | 8 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 3 | 0 | 5 |
| 1 | 18 | 414111 | 4 | 20 | 30 | 5 | 9 | 4 | 20 | 7 | 0 | 10 | 0 | 9 | 12 | [illegible] | 4 | 5 | 4 | 11 |
| 1 | 18 | 525111 | 4 | 40 | -1 | 2 | 4 | 3 | 35 | 5 | 0 | 10 | 0 | 6 | -1 | 8 | -1 | 5 | 5 | 9 |

MY DUTIES WERE OPC NCO IN GERMANY AND SECURITY STIF NCO ALONG W/GERMAN SOLDIERS CUSTODIAL GUARDS FOR 155 NUKE RD. TRANSFER HERE TO FT. SILL BECAME CHIEF FIRING BTRY FOR 2/12TH. * VIETNAM

GEOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | CH.OF SECTION: | 71 | 9 |
| MOS | :13B | GUNNER : | 68 | 1 |
| IN ARMY | :14YR 11MO | AS.GUNNER : | 68 | 1 |
| IN ARTILLERY | :14YR 11 | LOADER : | 66 | 1 |

WHEN

COMBAT :Y 68 69*

ARTIL. COMBAT:Y 68 69* #SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PRJCTL | LOADER: POS OF RAMMER | LOADER: PLACE CHARGE | LOADER: INS PRIM | LOADER: ?PF | LOADER: SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 19 | 411111 | 0 | 20 | -1 | 2 | 5 | -1 | -1 | 7 | 10 | 10 | 10 | 5 | 40 | 8 | 5 | 6 | 3 | 4 |
| 1 | 19 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 19 | 114111 | 0 | 17 | 40 | 3 | 20 | 3 | 15 | 5 | 0 | 0 | 0 | 5 | 8 | 7 | 4 | 3 | 2 | 5 |
| 1 | 19 | 515311 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 12 | 9 | 9 | 8 | 5 | -1 | 20 | 5 | 8 | 5 | 5 |
| 1 | 19 | 213111 | 0 | 20 | 25 | 2 | 20 | 3 | 40 | 5 | 0 | 0 | 0 | 5 | 40 | 8 | 4 | 5 | 2 | 4 |
| 1 | 19 | 413111 | 0 | 30 | 50 | 2 | 5 | 1 | 45 | 8 | 9 | 8 | 8 | 8 | 30 | 10 | 8 | 3 | 3 | 5 |
| 1 | 19 | 311111 | 0 | 0 | 0 | 4 | 60 | 7 | 30 | 8 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 19 | 313111 | 0 | 0 | 0 | 4 | 60 | 4 | 30 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 19 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 20 | 12 | 12 | 12 | 8 | -1 | 7 | 9 | 4 | 3 | 4 |
| 1 | 19 | 414112 | 0 | 20 | 30 | 2 | 10 | 2 | 40 | 8 | 0 | 0 | 0 | 5 | 15 | 6 | 3 | 4 | 2 | 0 |
| 1 | 19 | 535111 | 0 | -1 | -1 | 1 | 5 | 2 | 40 | 10 | 0 | 0 | 0 | 5 | 30 | 8 | 4 | 3 | 2 | 4 |
| 1 | 19 | 112111 | 5 | 0 | 0 | 3 | 30 | 8 | 20 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 3 | 0 | 0 | 0 |
| 1 | 19 | 514111 | 0 | 25 | 30 | 3 | 10 | 3 | 40 | 6 | 0 | 0 | 0 | 5 | 8 | 0 | 5 | 4 | 2 | 4 |
| 1 | 19 | 313112 | 0 | 20 | 30 | 3 | 10 | 3 | 40 | 6 | 0 | 0 | 0 | 5 | 10 | 0 | 3 | 3 | 2 | 0 |
| 1 | 19 | 315113 | 0 | 20 | 25 | 2 | 5 | 1 | -1 | 10 | 0 | 0 | 0 | 6 | 15 | 0 | 8 | 6 | 3 | 4 |
| 1 | 19 | 513111 | 0 | 20 | 30 | 2 | 5 | 3 | 40 | 8 | 0 | 0 | 0 | 6 | 30 | 0 | 5 | 3 | 3 | 0 |
| 1 | 19 | 123111 | 0 | 0 | 0 | 3 | 15 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 3 | 3 | 0 |
| 1 | 19 | 334231 | 0 | 05 | -1 | 2 | 2 | -1 | -1 | 10 | 9 | 9 | 9 | 10 | -1 | 20 | 15 | 8 | 5 | 5 |
| 1 | 19 | 113111 | 5 | 0 | 0 | 3 | 30 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 19 | 521111 | 0 | 20 | 45 | 2 | 5 | 5 | 40 | 6 | 15 | 15 | 15 | 10 | -1 | 15 | 6 | 8 | 4 | 4 |
| 1 | 19 | 115121 | 0 | 0 | 0 | 3 | 15 | 5 | 25 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 4 | 3 | 4 | 4 |
| 1 | 19 | 211111 | 0 | 0 | 0 | 3 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 19 | 224111 | 0 | 20 | 30 | 3 | 5 | 5 | 30 | 4 | 0 | 0 | 0 | 6 | 10 | 0 | 0 | 3 | 2 | 4 |
| 1 | 19 | 413314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 19 | 312111 | 0 | 25 | 25 | 3 | 11 | 5 | 30 | 5 | 0 | 0 | 0 | 6 | 8 | 0 | 3 | 2 | 2 | 0 |
| 1 | 19 | 314112 | 0 | 25 | 30 | 2 | 5 | 5 | 35 | 6 | 8 | 8 | 8 | 6 | 10 | 10 | 6 | 4 | 3 | 4 |
| 1 | 19 | 314113 | 0 | 25 | 30 | 2 | 0 | 4 | 40 | 6 | 8 | 8 | 8 | 5 | 6 | 0 | 4 | 3 | 3 | 0 |
| 1 | 19 | 412111 | 0 | 0 | 0 | 2 | 15 | 6 | 35 | 6 | 0 | 0 | 0 | 6 | 5 | 0 | 0 | 2 | 2 | 0 |
| 1 | 19 | 414111 | 0 | 30 | 30 | 2 | 5 | 5 | 40 | 6 | 0 | 0 | 0 | 6 | 10 | 0 | 5 | 3 | 3 | 4 |
| 1 | 19 | 525111 | 0 | 25 | 30 | 3 | 5 | 5 | 40 | 7 | 0 | 0 | 0 | 6 | 15 | 6 | 3 | 3 | 3 | 0 |

SUPERVISE THE MAINTENANCE AND ACCOUNTABILITY OF SEC. EQUIP AND TRAINING OF PERSONNEL BOTH INDIVIDUAL AND COLECTIVE TRAINING. SUPPORT AND ENCOURAGE CAREER DEVELOPMENT OF SUBORDINATE SOLDIERS.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | CH.OF SECTION: | 79 | 4 |
| MOS | :13B3C | GUNNER : | 78 | 1 |
| IN ARMY | : 9YR | AS.GUNNER : | 76 | 1 |
| IN ARTILLERY | : 8YR | LOADER : | 75 | 1 |

WHEN

COMBAT :N

ARTIL. LOCATION: #SUPERVISED : 50

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | | SYMP COMP | LOC | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 20 | 411111 | 3 | 60 | 40 | 7 | 60 | 3 | 10 | 4 | 8 | 10 | 8 | 11 | 20 | 0 | 10 | 0 | 0 | 6 |
| 1 | 20 | 515451 | 8 | 130 | -1 | 0.5 | 5 | -1 | 60 | 15 | 10 | 30 | 10 | 30 | -1 | 15 | -1 | 5 | 5 | 25 |
| 1 | 20 | 114111 | 3 | 30 | 40 | 3 | 20 | 3 | 7 | 0 | 0 | 10 | 0 | 10 | 30 | 0 | 10 | 0 | 0 | 4 |
| 1 | 20 | 515311 | 3 | 60 | 40 | 1 | 15 | 1 | 15 | 4 | 8 | 10 | 8 | 10 | -1 | 10 | 10 | 5 | 5 | 6 |
| 1 | 20 | 213111 | 3 | 20 | 30 | 2 | 30 | 3 | 10 | 0 | 0 | 8 | 0 | 8 | 15 | 0 | 5 | 0 | 0 | 6 |
| 1 | 20 | 413111 | 3 | 20 | 30 | 2 | 30 | 2 | 8 | 4 | 0 | 8 | 0 | 8 | 15 | 6 | 8 | 2 | 2 | 4 |
| 1 | 20 | 311111 | 3 | 0 | 23 | 4 | 60 | 4 | 6 | 0 | 0 | 8 | 0 | 4 | 5 | 0 | 5 | 0 | 0 | 0 |
| 1 | 20 | 313111 | 3 | 20 | 30 | 2 | 30 | 2 | 10 | 0 | 0 | 8 | 0 | 4 | 10 | 6 | 5 | 0 | 0 | 5 |
| 1 | 20 | 515223 | 3 | 60 | -1 | 1 | 5 | -1 | 20 | 4 | 9 | 10 | 9 | 10 | -1 | 10 | 15 | 5 | 5 | 7 |
| 1 | 20 | 414112 | 3 | 20 | 30 | 3 | 30 | 2 | 10 | 4 | 10 | 12 | 10 | 7 | 60 | 7 | 6 | 2 | 0 | 5 |
| 1 | 20 | 535111 | 3 | -1 | -1 | 0.5 | 5 | -1 | 30 | 10 | 10 | 15 | 10 | 8 | -1 | 10 | -1 | 6 | 6 | 8 |
| 1 | 20 | 112111 | 3 | 20 | 30 | 2 | 30 | 2 | 15 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 3 | 0 | 0 | 4 |
| 1 | 20 | 514111 | 3 | 120 | 60 | 1 | 10 | 1 | 10 | 15 | 20 | 20 | 20 | 15 | 20 | 10 | 5 | 5 | 5 | 10 |
| 1 | 20 | 313112 | 3 | 20 | 40 | 0.5 | 10 | 1 | 10 | 5 | 8 | 8 | 8 | 5 | 25 | 10 | 10 | 5 | 5 | 8 |
| 1 | 20 | 315113 | 3 | -1 | -1 | -1 | 1 | -1 | 20 | 10 | 15 | -1 | 15 | -1 | -1 | 12 | -1 | 6 | 6 | 10 |
| 1 | 20 | 515111 | 3 | 20 | 25 | 1 | 10 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 0 | 0 | 6 |
| 1 | 20 | 123111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 20 | 334231 | 3 | -1 | -1 | -1 | 1 | -1 | 60 | 20 | 30 | -1 | 30 | -1 | -1 | -1 | -1 | 10 | 10 | -1 |
| 1 | 20 | 113111 | 3 | 20 | 25 | 2 | 15 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 0 |
| 1 | 20 | 521111 | 3 | 20 | 25 | 2 | 15 | 2 | 10 | 4 | 8 | 8 | 8 | 6 | 5 | 6 | 5 | 2 | 2 | 6 |
| 1 | 20 | 113121 | 3 | 30 | 35 | 1.5 | 10 | 1 | 10 | 4 | 10 | 10 | 10 | 5 | 10 | 8 | 5 | 2 | 2 | 6 |
| 1 | 20 | 211111 | 3 | 0 | 0 | 4 | 60 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 | 20 | 224111 | 3 | 30 | 30 | 1 | 10 | 2 | 10 | 10 | 8 | -1 | 8 | -1 | -1 | -1 | -1 | 5 | 5 | 10 |
| 1 | 20 | 415310 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 20 | 312111 | 3 | 20 | 25 | 2 | 10 | 2 | 10 | 0 | 0 | 9 | 0 | 5 | 10 | 0 | 5 | 0 | 0 | 6 |
| 1 | 20 | 314112 | 3 | -1 | -1 | 0.5 | 5 | 1 | 10 | 5 | 10 | -1 | 10 | -1 | -1 | -1 | -1 | 5 | 5 | 10 |
| 1 | 20 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 20 | 412111 | 3 | 25 | 35 | 1 | 10 | 1 | 10 | 4 | 0 | 9 | 0 | 6 | 10 | 8 | 5 | 0 | 0 | 6 |
| 1 | 20 | 414111 | 3 | -1 | -1 | 1 | 10 | -1 | 10 | 4 | 12 | 12 | 12 | 5 | -1 | -1 | -1 | 8 | 8 | 12 |
| 1 | 20 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

I WAS AN ASSEMBLER ON THE 155 SYSTEM IN NORTHERN GREECE.I WAS AT THE 18TH USAFAD.I POSTED TO FT. SILL WHERE I AM NOW A GUNNER ON A SECTION * OFF AND ON

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 81 | 1 24 |
| MOS | :13B20 | GUNNER : | 82 | 1 |
| IN ARMY | : 3YR 8MO | AS.GUNNER : | | |
| IN ARTILLERY | : 3YR 8 MOEN | LOADER : | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT:N | | #SUPERVISED : 50 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SYMP COMP | LOW CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PROJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 22 | 411111 4 | 30 | 80 | 2 | 2 | 4 | 4 | 10 | 0 | 10 | 0 | 7 | 5 | 0 | 3 | 0 | 2 | 0 |
| 1 22 | 515931 3 | -1 | -1 | 1 | 1 | 2 | 4 | -1 | 9 | 14 | 11 | 5 | 9 | 0 | 3 | 2 | 4 | 0 |
| 1 22 | 114111 3 | -1 | -1 | 1 | 1 | 2 | 4 | 5 | 10 | 12 | 10 | 12 | 4 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 515311 3 | -1 | -1 | 1 | 1 | 1 | 4 | 10 | 12 | 15 | 10 | 7 | 4 | 0 | 3 | 2 | 3 | 0 |
| 1 22 | 213111 3 | 30 | 60 | 2 | 1 | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 413111 3 | 65 | 90 | 1 | 1 | 2 | 4 | 6 | 9 | 11 | 9 | 5 | 4 | 0 | 3 | 2 | 3 | 0 |
| 1 22 | 311111 3 | 25 | 40 | 3 | 2 | 3 | 4 | 6 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 2 | 0 |
| 1 22 | 313111 3 | 30 | 35 | 2 | 1 | 4 | 4 | 7 | 9 | 8 | 8 | 5 | 4 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 515223 3 | 90 | -1 | 1 | 1 | 2 | 6 | -1 | 14 | 16 | 12 | 6 | 4 | 0 | 4 | 2 | 2 | 0 |
| 1 22 | 414112 3 | 120 | 65 | 1 | 1 | 2 | 6 | -1 | 14 | 16 | 12 | 6 | 5 | 0 | 4 | 2 | 3 | 0 |
| 1 22 | 535111 3 | 60 | 30 | 2 | 1 | 2 | 5 | 10 | 15 | 13 | 13 | 6 | 4 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 112111 4 | 25 | 35 | 4 | 3 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 514111 3 | 60 | 120 | 2 | 1 | 2 | 5 | 6 | 9 | 10 | 8 | 5 | 3 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 313112 3 | 45 | 60 | 2 | 1 | 2 | 4 | 10 | 10 | 12 | 9 | 5 | 3 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 315113 4 | 9 | 150 | 1 | 1 | 1 | 4 | -1 | 10 | 12 | 9 | 5 | 3 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 513111 3 | 40 | 60 | 2 | 1 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 |
| 1 22 | 123111 4 | 20 | 60 | 3 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 334231 3 | 40 | 60 | 2 | 1 | 2 | 4 | -1 | 9 | 10 | 8 | 5 | 4 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 113111 4 | 0 | 0 | 3 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 521111 4 | 20 | 30 | 3 | 2 | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 113121 4 | 0 | 0 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 211111 4 | 20 | 30 | 3 | 2 | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 224111 3 | 20 | 40 | 2 | 1 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 415314 3 | 60 | 120 | 1 | 1 | 1 | 7 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 22 | 312111 3 | 20 | 35 | 2 | 1 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 314112 3 | 20 | 40 | 2 | 1 | 2 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 314113 3 | 25 | 30 | 2 | 1 | 2 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 412111 3 | 20 | 35 | 2 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 22 | 414111 3 | 25 | 35 | 2 | 1 | 2 | 4 | 6 | 9 | 10 | 8 | 5 | 3 | 0 | 3 | 2 | 2 | 0 |
| 1 22 | 525111 3 | 30 | 45 | 2 | 1 | 2 | 4 | 7 | 11 | 12 | 10 | 5 | 3 | 0 | 3 | 2 | 2 | 0 |

SECTION CHIEF 155MM SP, GUNNERY SGT , AMMO P/T, FT. SILL * AT THE AGE OF 18 ** VIETNAM

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | CH.OF SECTION: | 82 | 1 |
| MOS | :13B | GUNNER : | | |
| IN ARMY | : | * AS.GUNNER : | | |
| IN ARTILLERY | : 2YR | LOADER : | | |
| COMBAT | :Y | | | |
| ARTIL. COMBAT:N | | *SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | CH.SECT | GUNNER | | ASt.GUNNER | | LOADER | | | | | |
| CREW RESP | SYMP | COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 | 26 | 411111 | 3 | 25 | 30 | 4 | 15 | 5 | 40 | 5 | 9 | 10 | 9 | 6 | 5 | 7 | 5 | 3 | 3 | 5 |
| 1 | 26 | 515431 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 20 | 25 | 20 | 25 | 35 | 30 | 30 | 15 | 15 | 30 |
| 1 | 26 | 114111 | 3 | 80 | 40 | 3 | 1 | 1 | 45 | 7 | 10 | 10 | 10 | 8 | 15 | 12 | 7 | 5 | 5 | 7 |
| 1 | 26 | 515311 | 3 | 60 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 15 | 15 | 10 | 20 | 15 | 15 | 10 | 10 | 15 |
| 1 | 26 | 213111 | 3 | 80 | 40 | 1 | 1 | 2 | 40 | 10 | 10 | 10 | 10 | 8 | 8 | 8 | 8 | 5 | 5 | 6 |
| 1 | 26 | 413111 | 3 | 30 | 40 | 2 | 2 | 2 | 30 | 5 | 10 | 10 | 10 | 5 | 5 | 7 | 5 | 5 | 5 | 5 |
| 1 | 26 | 311111 | 3 | 20 | 25 | 4 | 4 | 6 | 30 | 5 | 9 | 9 | 9 | 5 | 5 | 8 | 5 | 5 | 5 | 5 |
| 1 | 26 | 313111 | 3 | 30 | 30 | 4 | 4 | 4 | 40 | 7 | 12 | 12 | 12 | 7 | 7 | 10 | 5 | 5 | 5 | 5 |
| 1 | 26 | 515223 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 20 | 20 | 20 | 15 | -1 | -1 | 20 | 20 | 20 | 35 |
| 1 | 26 | 414112 | 3 | 85 | 45 | 1 | 1 | 1 | 60 | 10 | 12 | 12 | 12 | 7 | 15 | 10 | 7 | 7 | 7 | 7 |
| 1 | 26 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 20 | 15 | 15 | 20 | 15 | 15 | 15 | 15 | 20 |
| 1 | 26 | 112111 | 3 | 20 | 25 | 6 | 8 | 8 | 30 | 9 | 9 | 9 | 9 | 5 | 6 | 6 | 4 | 4 | 4 | 6 |
| 1 | 26 | 514111 | 3 | 85 | 45 | 1 | 1 | 1 | 50 | 7 | 12 | 12 | 12 | 7 | 10 | 10 | 7 | 7 | 7 | 7 |
| 1 | 26 | 313112 | 3 | 60 | 60 | -1 | -1 | -1 | 60 | 10 | 15 | 15 | 15 | 10 | 15 | 15 | 10 | 10 | 10 | 15 |
| 1 | 26 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 15 | 15 | 10 | 30 | 20 | 15 | 10 | 10 | 10 |
| 1 | 26 | 513111 | 3 | 30 | 40 | 2 | 1 | 3 | 40 | 5 | 10 | 10 | 10 | 7 | 10 | 10 | 7 | 7 | 7 | 8 |
| 1 | 26 | 123111 | 3 | 30 | 40 | 1 | 1 | 2 | 40 | 10 | 10 | 10 | 10 | 7 | 10 | 10 | 7 | 7 | 7 | 10 |
| 1 | 26 | 334251 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 20 | 15 | 15 | -1 | 20 | 20 | 15 | 15 | 15 |
| 1 | 26 | 113111 | 3 | 30 | 35 | 2 | 2 | 2 | 40 | 7 | 10 | 10 | 10 | 7 | 10 | 10 | 10 | 7 | 7 | 10 |
| 1 | 26 | 521111 | 3 | 45 | 45 | 1 | 1 | 1 | 60 | 10 | 12 | 12 | 12 | 10 | 7 | 7 | 7 | 5 | 5 | 5 |
| 1 | 26 | 113121 | 3 | 80 | 45 | 2 | 2 | 2 | 45 | 10 | 10 | 10 | 10 | 7 | 10 | 7 | 10 | 10 | 10 | 10 |
| 1 | 26 | 211111 | 3 | 30 | 30 | 3 | 3 | 3 | 30 | 7 | 10 | 10 | 10 | 7 | 7 | 7 | 5 | 5 | 5 | 7 |
| 1 | 26 | 224111 | 3 | 85 | 45 | 1 | 1 | 1 | 60 | 12 | 12 | 12 | 12 | 10 | 15 | 15 | 10 | 10 | 10 | 10 |
| 1 | 26 | 415318 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 15 | 15 | 15 | 30 | 25 | 25 | 20 | 15 | 30 |
| 1 | 26 | 312111 | 3 | 30 | 40 | 2 | 2 | 2 | 40 | 7 | 10 | 10 | 10 | 7 | 10 | 10 | 7 | 5 | 5 | 5 |
| 1 | 26 | 314112 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 15 | 15 | 15 | 40 | 35 | 30 | 30 | 30 | 40 |
| 1 | 26 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 15 | 15 | 15 | -1 | 30 | 25 | 20 | 20 | 35 |
| 1 | 26 | 412111 | 3 | 85 | 45 | 2 | 2 | 2 | 40 | 7 | 10 | 10 | 10 | 7 | 15 | 15 | 10 | 10 | 10 | 10 |
| 1 | 26 | 414111 | 3 | 85 | 45 | 1 | 1 | 1 | 40 | 12 | 12 | 12 | 12 | 10 | 25 | 20 | 20 | 12 | 12 | 20 |
| 1 | 26 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 15 | 15 | 15 | 15 | -1 | 30 | 30 | 25 | 20 | 25 |

I WAS A GUNNER IN A 8 INCH UNIT IN GERMANY AND THEN IN FEBUARY 1962 I PCS TO FT. SILL AND I WAS A GUNNER UNTIL 2 JUNE 1982 THEN I BECAME SECTION CHIEF ON A 155MM HOWITZER

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GR | :E-5 | CH.OF SECTION: | 6 82 | 6 |
| MO | :13P | GUNNER | : 3 81 | 1 3 |
| IN ARMY | : 4YR 1MO | AS.GUNNER | : 6 80 | 9 |
| IN ARTILLERY | : 4YR 1 | LOADER | : 3 79 | 6 |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED : 20

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PRJCTL | LOADER: POS OP RAMMER | LOADER: PLACE CHARGE | LOADER: INS PRIM | LOADER: FIRE | LOADER: SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 27 | 411111 | 0 | 18 | 25 | 12 | 20 | 14 | 5 | 0 | 0 | 8 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 4 |
| 1 27 | 515431 | 0 | -1 | -1 | 1 | 3 | -1 | 30 | 10 | 15 | 20 | 15 | 15 | -1 | 8 | 6 | 5 | 4 | 8 |
| 1 27 | 114111 | 0 | 25 | 35 | 2 | 5 | 2 | 20 | 5 | 0 | 10 | 0 | 6 | 10 | 0 | 3 | 2 | 0 | 5 |
| 1 27 | 515311 | 0 | 25 | -1 | 1 | 3 | -1 | 30 | 6 | 8 | 10 | 8 | 6 | -1 | 0 | 4 | 3 | 3 | 6 |
| 1 27 | 213111 | 0 | 25 | 40 | 2 | 3 | 1 | 20 | 5 | 8 | 12 | 8 | 7 | 10 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 413111 | 0 | 25 | 35 | 2 | 4 | 1 | 20 | 5 | 9 | 13 | 9 | 6 | 10 | 7 | 4 | 2 | 2 | 6 |
| 1 27 | 311111 | 0 | 18 | 26 | 7 | 10 | 6 | 5 | 0 | 0 | 8 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 27 | 313111 | 0 | 25 | 35 | 3 | 5 | 3 | 15 | 4 | 8 | 12 | 8 | 7 | 10 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 515223 | 0 | 28 | 40 | 3 | 4 | 2 | 30 | [illegible] | 18 | 25 | 18 | 15 | 13 | 10 | 6 | 5 | 5 | 10 |
| 1 27 | 414112 | 0 | 20 | 35 | 4 | 8 | 3 | 15 | 5 | 8 | 11 | 8 | 6 | [illegible] | [illegible] | 3 | 2 | 2 | 5 |
| 1 27 | 535111 | 0 | 20 | 40 | 2 | 3 | 1 | 15 | 5 | 10 | 18 | 10 | 10 | 10 | [illegible] | 4 | 2 | 2 | 6 |
| 1 27 | 112111 | 0 | 18 | 25 | 7 | 15 | 6 | 5 | 0 | 0 | 8 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 4 |
| 1 27 | 514111 | 0 | 25 | 32 | 4 | 10 | 3 | 15 | 4 | 8 | 10 | 8 | 6 | 5 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 313112 | 0 | 25 | 35 | 2 | 5 | 2 | 15 | 5 | 9 | 15 | 9 | 9 | 10 | 7 | 4 | 3 | 3 | 6 |
| 1 27 | 315113 | 0 | 30 | 40 | 1 | 2 | 1 | 30 | 7 | 10 | 15 | 10 | 10 | 12 | 8 | 5 | 3 | 3 | 7 |
| 1 27 | 513111 | 0 | 20 | 30 | 3 | 6 | 3 | 10 | 4 | 8 | 10 | 8 | 7 | 6 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 123111 | 0 | 20 | 30 | 6 | 10 | 4 | 9 | 4 | 8 | 10 | 8 | 5 | 4 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 334231 | 0 | 30 | 45 | 1 | 3 | 2 | 20 | 6 | 12 | 15 | 12 | 10 | 12 | 8 | 5 | 3 | 3 | 7 |
| 1 27 | 113111 | 0 | 20 | 25 | 6 | 10 | 4 | 10 | 0 | 0 | 10 | 0 | 5 | 4 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 521111 | 0 | 25 | 30 | 0 | 8 | 3 | 10 | 4 | 9 | 12 | 9 | 7 | 5 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 113121 | 0 | 20 | 30 | 3 | 6 | 2 | 10 | 4 | 8 | 10 | 8 | 5 | 5 | 6 | 3 | 2 | 2 | 5 |
| 1 27 | 211111 | 0 | 20 | 30 | 4 | 6 | 2 | 10 | 4 | 8 | 10 | 8 | 5 | 5 | 6 | 4 | 2 | 2 | 5 |
| 1 27 | 224111 | 0 | 30 | 40 | 2 | 8 | 2 | 10 | 5 | 10 | 15 | 10 | 7 | 8 | 7 | 4 | 3 | 3 | 6 |
| 1 27 | 415318 | 0 | 30 | 40 | 1 | 2 | 1 | 30 | 6 | 14 | 20 | 14 | 10 | 10 | 10 | 6 | 4 | 4 | 7 |
| 1 27 | 312111 | 0 | 20 | 30 | 3 | 6 | 2 | 12 | 4 | 9 | 12 | 9 | 5 | 5 | 6 | 4 | 3 | 3 | 5 |
| 1 27 | 314112 | 0 | 22 | 31 | 2 | 6 | 2 | 13 | 4 | 8 | 12 | 8 | 6 | 4 | 6 | 4 | 2 | 2 | 5 |
| 1 27 | 314113 | 0 | 30 | 40 | 2 | 8 | 2 | 16 | 5 | 9 | 12 | 9 | 6 | 5 | 7 | 4 | 3 | 3 | 6 |
| 1 27 | 412111 | 0 | 19 | 28 | 4 | 8 | 3 | 9 | 0 | 0 | 9 | 0 | 4 | 4 | 6 | 3 | 2 | 2 | 4 |
| 1 27 | 414111 | 0 | 30 | 40 | 1 | 8 | 1 | 20 | 4 | 8 | 10 | 8 | 4 | 4 | 6 | 4 | 3 | 3 | 6 |
| 1 27 | 525111 | 0 | 22 | 34 | 2 | 8 | 1 | 20 | 4 | 8 | 10 | 8 | 5 | 4 | 6 | 3 | 2 | 2 | 5 |

GUNNER, SECTION CHIEF + 2 MONTHS

DEMOGRAPHIC DATA

| | | | WHEN GO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 10 82 | 2 |
| MOS | :13B | GUNNER : | | 1 |
| IN ARMY | : 5YR | AS.GUNNER : | | |
| IN ARTILLERY : | | LOADER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
7990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| CREW RESP | SYMP COMP | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 28 411111 | A | 50 | 55 | 3 | 5 | 5 | 15 | 7 | 10 | 12 | 0 | 8 | 6 | 10 | 7 | 10 | 5 | 10 |
| 1 28 515431 | A | 40 | 60 | 2 | 3 | 3 | 30 | 20 | 15 | 20 | 15 | 10 | 8 | 7 | 6 | 6 | 5 | 8 |
| 1 28 114111 | 3 | 40 | 60 | 1 | 3 | 2 | 40 | 10 | 10 | 15 | 10 | 8 | 10 | 10 | 8 | 7 | 5 | 7 |
| 1 28 515311 | 3 | 60 | 50 | 2 | 999 | 999 | 999 | 10 | 10 | 15 | 12 | 9 | 8 | 10 | 8 | 7 | 6 | 8 |
| 1 28 213111 | 3 | 60 | 50 | 2 | 5 | 2 | 30 | 8 | 8 | 10 | 9 | 12 | 10 | 10 | 10 | 12 | 7 | 7 |
| 1 28 413111 | 3 | 60 | 50 | 2 | 5 | 4 | 30 | 10 | 15 | 15 | 15 | 10 | 9 | 12 | 9 | 7 | 7 | 10 |
| 1 28 311111 | 3 | 60 | 50 | 2 | 5 | 4 | 30 | 10 | 15 | 15 | 15 | 10 | 9 | 12 | 9 | 7 | 7 | 9 |
| 1 28 315111 | 3 | 60 | 50 | 2 | 8 | 4 | 30 | 10 | 15 | 15 | 15 | 10 | 9 | 12 | 9 | 7 | 7 | 9 |
| 1 28 515223 | 3 | 65 | 55 | 1 | 3 | 4 | 30 | 10 | 15 | 15 | 15 | 10 | 9 | 12 | 5 | 7 | 7 | 9 |
| 1 28 414112 | 3 | 65 | 60 | 1 | 2 | 2 | 30 | 10 | 16 | 16 | 16 | 11 | 10 | 9 | 10 | 7 | 7 | 9 |
| 1 28 535111 | 3 | 70 | 70 | 0.5 | 1 | 2 | 40 | 9 | 15 | 15 | 15 | 10 | 11 | 13 | 10 | 10 | 10 | 15 |
| 1 28 112111 | 3 | 75 | 70 | 0.3 | 1 | 1 | 40 | 10 | 15 | 15 | 15 | 10 | 10 | 11 | 9 | 7 | 7 | 12 |
| 1 28 514111 | 3 | 75 | 70 | 0.3 | 1 | 1 | 40 | 10 | 15 | 15 | 15 | 10 | 11 | 12 | 9 | 9 | 9 | 15 |
| 1 28 313112 | 3 | 70 | 70 | 1 | 1 | 1 | 8 | 10 | 15 | 15 | 15 | 9 | 10 | 10 | 7 | 7 | 7 | 9 |
| 1 28 315113 | 3 | 70 | 70 | 1 | 1 | 1 | 40 | 10 | 15 | 15 | 15 | 15 | 9 | 12 | 9 | 7 | 7 | 9 |
| 1 28 513111 | 3 | 75 | 70 | 0.3 | 1 | 1 | 40 | 10 | 15 | 15 | 15 | 10 | 9 | 13 | 9 | 7 | 7 | 9 |
| 1 28 123111 | 3 | 65 | 50 | 0.5 | 2 | 2 | 40 | 10 | 15 | 15 | 15 | 9 | 9 | 13 | 9 | 7 | 7 | 10 |
| 1 28 334231 | 3 | 80 | 90 | 0.3 | 0.5 | 1 | 40 | 10 | 15 | 15 | 15 | 10 | 9 | 13 | 9 | 7 | 5 | 10 |
| 1 28 113111 | 3 | 70 | 75 | 2 | 2 | 3 | 30 | 10 | 15 | 15 | 15 | 10 | 10 | 13 | 10 | 7 | 5 | 10 |
| 1 28 521111 | 3 | 65 | 70 | 1 | 1 | 1 | 35 | 10 | 15 | 15 | 15 | 10 | 10 | 13 | 5 | 5 | 7 | 9 |
| 1 28 113121 | 3 | 50 | 55 | 2 | 3 | 4 | 20 | 10 | 15 | 15 | 15 | 10 | 9 | 13 | 9 | 5 | 7 | 5 |
| 1 28 211111 | 3 | 55 | 50 | 2 | 2 | 3 | 25 | 10 | 15 | 15 | 15 | 10 | 10 | 12 | 6 | 7 | 5 | 1 |
| 1 28 224111 | 3 | 40 | 45 | 2 | 3 | 4 | 25 | 10 | 15 | 15 | 15 | 10 | 9 | 12 | 9 | 7 | 5 | 6 |
| 1 28 413314 | 3 | 70 | 60 | 0.3 | 1 | 1 | 40 | 10 | 20 | 20 | 20 | 15 | 15 | 13 | 10 | 9 | 10 | 15 |
| 1 28 312111 | 3 | 40 | 45 | 2 | 2 | 2 | 20 | 10 | 15 | 15 | 15 | 9 | 9 | 10 | 8 | 7 | 5 | 9 |
| 1 28 314112 | 3 | 74 | 65 | 0.3 | 1 | 1 | 40 | 11 | 17 | 17 | 17 | 10 | 10 | 10 | 9 | 7 | 5 | 10 |
| 1 28 314113 | 3 | 75 | 65 | 0.3 | 0.5 | 1 | 40 | 10 | 15 | 15 | 15 | 9 | 15 | 10 | 10 | 10 | 8 | 9 |
| 1 28 412111 | 3 | 40 | 45 | 2 | 2 | 3 | 25 | 10 | 16 | 17 | 15 | 8 | 7 | 8 | 9 | 5 | 7 | 9 |
| 1 28 414111 | 3 | 55 | 60 | 0.5 | 2 | 2 | 30 | 10 | 15 | 15 | 15 | 10 | 9 | 10 | 10 | 7 | 8 | 9 |
| 1 28 525111 | 3 | 40 | 75 | 0.5 | 0.5 | 1 | 50 | 10 | 15 | 15 | 15 | 9 | 10 | 12 | 10 | 7 | 8 | 15 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | CH.OF SECTION: | 72 | 4 |
| MOS | :13B40 | GUNNER : | | |
| IN ARMY | :16YR | AS.GUNNER : | | |
| IN ARTILLERY | :15YR | LOADER : | | |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW SYMP COMP RESP | LON CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 30 411111 3 | 30 | 40 | 3 | 15 | 4 | 20 | 15 | 20 | 20 | 15 | 15 | 10 | 7 | 5 | 3 | 3 | 7 |
| 1 30 515831 3 | 85 | 45 | 2 | 5 | 3 | 40 | 35 | 28 | 35 | 28 | 30 | 25 | 10 | 10 | 8 | 8 | 10 |
| 1 30 114111 3 | 20 | 25 | 5 | 15 | 5 | 8 | 0 | 0 | 9 | 0 | 6 | 5 | 7 | 4 | 2 | 2 | 0 |
| 1 30 515311 3 | 47 | 50 | 2 | 5 | 3 | 25 | 7 | 12 | 17 | 12 | 13 | 15 | 8 | 6 | 4 | 4 | 5 |
| 1 30 213111 3 | 0 | 0 | 6 | 25 | 6 | 6 | 0 | 0 | 9 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 30 413111 3 | 18 | 25 | 5 | 20 | 6 | 8 | 5 | 0 | 9 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 4 |
| 1 30 311111 3 | 0 | 0 | 6 | 25 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 0 | 0 |
| 1 30 313111 3 | 20 | 25 | 5 | 18 | 5 | 8 | 0 | 0 | 9 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 5 |
| 1 30 515223 3 | -1 | -1 | 1 | 5 | 2 | 18 | 10 | 14 | 25 | 14 | 19 | 20 | 10 | 10 | 8 | 8 | 10 |
| 1 30 414112 3 | 35 | 45 | 3 | 10 | 4 | 12 | 5 | 10 | 13 | 10 | 10 | 12 | 8 | 5 | 3 | 3 | 5 |
| 1 30 535111 3 | -1 | -1 | 1 | 5 | 2 | 12 | 10 | 12 | 17 | 12 | 12 | 18 | 7 | 5 | 5 | 5 | 5 |
| 1 30 112111 3 | 25 | 40 | 3 | 13 | 3 | 7 | 0 | 0 | 10 | 0 | 5 | 5 | 0 | 4 | 3 | 3 | 5 |
| 1 30 514111 3 | 80 | 50 | 2 | 10 | 4 | 13 | 5 | 9 | 10 | 9 | 7 | 10 | 7 | 5 | 4 | 4 | 5 |
| 1 30 313112 3 | 47 | 56 | 2 | 5 | 2 | 18 | 6 | 11 | 17 | 11 | 14 | 15 | 8 | 6 | 4 | 4 | 6 |
| 1 30 315113 3 | -1 | -1 | 1 | 3 | 2 | 20 | 6 | 15 | 20 | 15 | 9 | 13 | 7 | 5 | 5 | 5 | 6 |
| 1 30 513111 3 | 22 | 35 | 5 | 12 | 1 | 8 | 5 | 9 | 12 | 9 | 8 | 7 | 6 | 3 | 3 | 3 | 5 |
| 1 30 123111 3 | 22 | 37 | 4 | 17 | 5 | 6 | 5 | 8 | 9 | 8 | 6 | 5 | 6 | 4 | 2 | 2 | 5 |
| 1 30 334231 3 | -1 | -1 | 1 | 3 | 2 | 10 | 7 | 12 | 15 | 12 | 11 | 12 | 7 | 4 | 4 | 4 | 6 |
| 1 30 113111 3 | 0 | 0 | 6 | 20 | 6 | 6 | 0 | 0 | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 30 521111 3 | 20 | 23 | 5 | 15 | 4 | 9 | 0 | 0 | 9 | 0 | 5 | 6 | 0 | 0 | 2 | 2 | 4 |
| 1 30 113121 3 | 19 | 26 | 5 | 10 | 4 | 9 | 5 | 9 | 11 | 9 | 7 | 10 | 7 | 3 | 3 | 3 | 5 |
| 1 30 211111 3 | 0 | 0 | 6 | 22 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 30 224111 3 | 21 | 29 | 4 | 15 | 4 | 8 | 5 | 9 | 11 | 9 | 7 | 8 | 7 | 3 | 4 | 4 | 5 |
| 1 30 415314 3 | -1 | -1 | 2 | 7 | 2 | 11 | 7 | [illegible] | [illegible] | 10 | 11 | 17 | 8 | 5 | 6 | 6 | 7 |
| 1 30 312111 3 | 21 | 29 | 5 | 12 | 4 | 9 | 0 | 0 | 11 | [illegible] | 5 | 5 | 0 | 0 | 2 | 2 | 4 |
| 1 30 314112 3 | 45 | 59 | 2 | 5 | 2 | 11 | 5 | 9 | 11 | 9 | 7 | 11 | 7 | 3 | 3 | 3 | 5 |
| 1 30 314113 3 | -1 | -1 | 1 | 6 | 2 | 13 | 7 | 11 | 15 | 11 | 12 | 13 | 7 | 5 | 3 | 3 | 5 |
| 1 30 412111 3 | 17 | 24 | 6 | 15 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 30 414111 3 | 24 | 31 | 4 | 10 | 4 | 17 | 0 | 9 | 11 | 9 | 7 | 7 | 6 | 0 | 2 | 2 | 4 |
| 1 30 525111 3 | -1 | -1 | 1 | 4 | 1 | 15 | 7 | 10 | 13 | 10 | 10 | 18 | 8 | 4 | 4 | 4 | 6 |

CHIEF OF FIRING DIRY. SUPERVISE AND TRAIN CHIEF OF SECTION TO BE LEADER, TO DEVELUPED THE YOUNG SOLDIER OF TOMMORROW, HOW TO SURVIVE IN COMBAT.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE :E-7 | | CH.OF SECTION: | 73 | 4 |
| MOS :13B40 | | GUNNER : | 70 | 4 |
| IN ARMY :15YR | | AS.GUNNER : | 69 | 1 |
| IN ARTILLERY :12YR | | LOADER : | 68 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED :>50

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 31 | 411111 | 8 | 0 | -1 | 3 | 15 | 10 | 60 | 0 | 0 | 10 | 0 | 5 | -1 | 0 | 5 | 0 | 0 | 5 |
| 1 | 31 | 515431 | 8 | -1 | -1 | 0.5 | 2 | 2 | 60 | 20 | 20 | 30 | 20 | 30 | -1 | -1 | -1 | 10 | 5 | 10 |
| 1 | 31 | 114111 | 8 | 20 | 30 | 3 | 1 | 9 | 60 | 10 | 15 | 15 | 15 | 15 | 20 | 10 | 4 | 3 | 0 | 6 |
| 1 | 31 | 515311 | 3 | 45 | 60 | 2 | 1 | 3 | 60 | 10 | 15 | 25 | 15 | 25 | 30 | 30 | 20 | 10 | 3 | 10 |
| 1 | 31 | 213111 | 4 | 20 | 30 | 5 | 2 | 15 | 60 | 5 | 9 | 9 | 9 | 7 | 5 | 8 | 4 | 3 | 2 | 5 |
| 1 | 31 | 413111 | 8 | 25 | 60 | 2 | 3 | 6 | 60 | 5 | 9 | 10 | 9 | 10 | 15 | 12 | 5 | 3 | 2 | 5 |
| 1 | 31 | 311111 | 5 | 20 | 30 | 5 | 5 | 10 | 60 | 6 | 9 | 10 | 9 | 5 | 5 | 6 | 3 | 3 | 2 | 5 |
| 1 | 31 | 313111 | 8 | 20 | 30 | 8 | 5 | 10 | 60 | 5 | 10 | 15 | 10 | 8 | 5 | 7 | 3 | 2 | 0 | 5 |
| 1 | 31 | 515223 | 8 | 45 | -1 | 2 | 1 | 2 | 60 | 15 | 20 | 20 | 20 | 15 | -1 | -1 | 10 | 6 | 4 | 6 |
| 1 | 31 | 414112 | 3 | -1 | -1 | 1 | 0.3 | 2 | 90 | 20 | 45 | 45 | 45 | 30 | -1 | -1 | -1 | 10 | 10 | 15 |
| 1 | 31 | 535111 | 3 | 45 | -1 | 1 | 0.3 | 2 | 60 | 20 | 20 | 30 | 20 | 20 | -1 | -1 | -1 | 10 | 10 | 15 |
| 1 | 31 | 112111 | 9 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |
| 1 | 31 | 514111 | 8 | 45 | 40 | 3 | 5 | 10 | 60 | 8 | 15 | 15 | 15 | 10 | 30 | 20 | 10 | 5 | 5 | 6 |
| 1 | 31 | 313112 | 8 | 45 | -1 | 2 | 1 | 3 | 60 | 30 | 45 | 45 | 30 | 25 | -1 | 20 | -1 | 10 | 10 | 10 |
| 1 | 31 | 315113 | 8 | -1 | -1 | 1 | 0.3 | 3 | 60 | 30 | 30 | 30 | 20 | 30 | -1 | -1 | -1 | 10 | 5 | 8 |
| 1 | 31 | 513111 | 3 | 45 | -1 | 3 | 1 | 5 | 60 | 15 | 20 | 20 | 20 | 15 | -1 | -1 | -1 | 10 | 10 | 8 |
| 1 | 31 | 123111 | 8 | -1 | -1 | 1 | 0.3 | 3 | 25 | 7 | 10 | 10 | 10 | 8 | -1 | -1 | -1 | 5 | 5 | 5 |
| 1 | 31 | 334231 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 31 | 113111 | 5 | 20 | 30 | 10 | 15 | 20 | 30 | 5 | 10 | 10 | 10 | 6 | 4 | 7 | 3 | 2 | 2 | 4 |
| 1 | 31 | 521111 | 3 | 45 | 60 | 0.5 | 2 | 10 | 60 | 10 | 12 | 15 | 10 | 10 | 25 | 15 | 10 | 5 | 5 | 8 |
| 1 | 31 | 113121 | 8 | 20 | 25 | 10 | 10 | 20 | 30 | 10 | 10 | 15 | 10 | 10 | 20 | 15 | 10 | 5 | 5 | 8 |
| 1 | 31 | 211111 | 8 | 25 | 40 | 10 | 3 | 15 | 45 | 7 | 10 | 15 | 10 | 10 | 25 | 15 | 10 | 3 | 3 | 7 |
| 1 | 31 | 224111 | 3 | -1 | -1 | -1 | 0.3 | -1 | 45 | 30 | 30 | 30 | 25 | 20 | -1 | -1 | -1 | 6 | 4 | 6 |
| 1 | 31 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 31 | 312111 | 5 | 25 | 30 | 5 | 3 | 10 | 60 | 6 | 15 | 15 | 15 | 10 | 15 | 10 | 6 | 5 | 5 | 5 |
| 1 | 31 | 314112 | 8 | -1 | -1 | 2 | 1 | 3 | 60 | 20 | 30 | 30 | 20 | 25 | -1 | -1 | -1 | 10 | 5 | 10 |
| 1 | 31 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 31 | 412111 | 8 | 25 | 30 | 6 | 3 | 10 | 60 | 10 | 15 | 15 | 15 | 10 | 8 | 10 | 3 | 2 | 2 | 5 |
| 1 | 31 | 414111 | 8 | -1 | -1 | 1 | -1 | -1 | 45 | 10 | 15 | 15 | 15 | 10 | -1 | -1 | -1 | 6 | 3 | 10 |
| 1 | 31 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

A YEAR AGO I WAS STATIONED IN TURKEY. ALL OF MY DUTIES THERE WERE SPECIAL WEAPONS RELATED. I WAS ASSIGNED HERE THE END OF JUNE.

DEMOGRAPHIC DATA

| | | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | | | |
| MOS | :13B | GUNNER | : | 7 82 | 4 |
| IN ARMY | : 3YR | 0NO | AS.GUNNER : | | * |
| IN ARTILLERY | : 3YR | 0 WHEN | LOADER : | | * |
| COMBAT | :N | | | | |
| ARTIL. COMPAT | :N | #SUPERVISED : 5 | | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

155 S.P. GUN CREW

| | | | ORDINARY TASKS | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRA' LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 32 | 411111 | 3 | 30 | 30 | 3 | 15 | 5 | 10 | 5 | 10 | 15 | 10 | 7 | 10 | 10 | 4 | 3 | 0 | 5 |
| 1 32 | 515431 | 3 | 35 | 60 | 2 | 15 | 3 | 15 | 12 | 10 | 15 | 10 | 15 | -1 | 12 | 8 | 5 | 3 | 10 |
| 1 32 | 114111 | 3 | 30 | -1 | 1.5 | 10 | 2 | 20 | 4 | 9 | 10 | 8 | 5 | -1 | 7 | -1 | 999 | 2.5 | 5 |
| 1 32 | 515311 | 3 | 30 | -1 | 2 | 10 | 3 | 15 | 5 | 15 | 15 | 12 | 10 | -1 | 10 | -1 | 5 | 6 | 10 |
| 1 32 | 213111 | 3 | 20 | 30 | 3 | 20 | 4 | 10 | 0 | 0 | 9 | 0 | 5 | 5 | 0 | 5 | 3 | 0 | 5 |
| 1 32 | 413111 | 3 | 25 | 45 | 4 | 12 | 4 | 15 | 4 | 9 | 10 | 10 | 5 | 5 | 0 | 5 | 3 | 2 | 5 |
| 1 32 | 311111 | 3 | 20 | 35 | 4.5 | 20 | 5 | 10 | 5 | 0 | 10 | 0 | 6 | 15 | 7 | 5 | 5 | 3 | 5 |
| 1 32 | 313111 | 3 | 30 | 45 | 3 | 20 | 4 | 10 | 4 | 8 | 8 | 0 | 5 | 12 | 6 | 5 | 3 | 4 | 5 |
| 1 32 | 515223 | 3 | 45 | -1 | 2 | 10 | 2 | 15 | 7 | 10 | 12 | 10 | 12 | -1 | 10 | -1 | 5 | 4 | 10 |
| 1 32 | 414112 | 3 | 30 | -1 | 3 | 15 | 2 | 10 | 7 | 10 | 10 | 10 | 8 | -1 | 10 | -1 | 4 | 5 | 6 |
| 1 32 | 535111 | 3 | -1 | -1 | 1 | 7 | 1 | 12 | 12 | 15 | 15 | 15 | 15 | -1 | 12 | -1 | 5 | 4 | 10 |
| 1 32 | 112111 | 3 | 20 | 25 | 4.5 | 15 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 4 | 0 | 2 | 4 |
| 1 32 | 514111 | 3 | 30 | 40 | 2.5 | 10 | 2 | 11 | 5 | 9 | 9 | 9 | 9 | 12 | 7 | 5 | 4 | 3 | 5 |
| 1 32 | 313112 | 3 | -1 | -1 | -1 | 7 | 1 | 20 | 7 | 14 | 14 | 14 | 10 | -1 | 8 | -1 | 5 | 4 | 4 |
| 1 32 | 315113 | 3 | -1 | -1 | -1 | 7 | 1 | 20 | 5 | 10 | 12 | 10 | 7 | -1 | 11 | -1 | 5 | 5 | 12 |
| 1 32 | 513111 | 3 | -1 | -1 | -1 | 6 | 1 | 20 | 7 | 20 | 15 | 11 | 7 | -1 | -1 | -1 | 5 | 4 | 10 |
| 1 32 | 123111 | 3 | 30 | 35 | 2 | 13 | 3 | 12 | 5 | 10 | 10 | 9 | 6 | -1 | 8 | -1 | 4 | 3 | 5 |
| 1 32 | 334231 | 3 | -1 | -1 | 1 | 6 | 1 | 15 | 10 | 12 | 15 | 12 | 10 | -1 | -1 | -1 | 10 | 6 | -1 |
| 1 32 | 113111 | 3 | 20 | 25 | 4.5 | 15 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 4 | 0 | 2 | 4 |
| 1 32 | 521111 | 3 | 30 | 40 | 2.5 | 12 | 3 | 12 | 5 | 9 | 9 | 10 | 5 | 4 | 10 | 5 | 3 | 3 | 4 |
| 1 32 | 113121 | 3 | 30 | 40 | 2.5 | 10 | 2 | 10 | 7 | 10 | 10 | 10 | 6 | -1 | 7 | -1 | 5 | 4 | 6 |
| 1 32 | 211111 | 3 | 0 | 0 | 4 | 12 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 5 | 0 | 0 | 0 |
| 1 32 | 224111 | 3 | 30 | 35 | 1.5 | 10 | 2 | 10 | -1 | 10 | 10 | 10 | 6 | -1 | 7 | -1 | 5 | 4 | 5 |
| 1 32 | 415314 | 3 | -1 | -1 | 1 | 5 | 1 | 25 | 7 | 10 | -1 | 10 | 6 | -1 | -1 | -1 | 6 | 5 | 4 |
| 1 32 | 312111 | 3 | 30 | 45 | 3 | 20 | 4 | 10 | 4 | 8 | 8 | 0 | 5 | 12 | 6 | 5 | 3 | 4 | 5 |
| 1 32 | 314112 | 3 | 30 | -1 | -1 | 10 | 2 | 15 | 5 | 9 | 8 | 9 | 6 | -1 | 7 | -1 | 3 | 3 | 4 |
| 1 32 | 314113 | 3 | -1 | -1 | -1 | 7 | 1 | 20 | 7 | 14 | 14 | 14 | 10 | -1 | 8 | -1 | 5 | 4 | 4 |
| 1 32 | 412111 | 3 | 30 | 30 | 3 | 15 | 3 | 10 | 5 | 10 | 15 | 10 | 7 | 10 | 10 | 4 | 3 | 0 | 5 |
| 1 32 | 414111 | 3 | 30 | 45 | 1 | 7 | 1 | 17 | 7 | 12 | 15 | 10 | 8 | -1 | 7 | -1 | 4 | 4 | 6 |
| 1 32 | 523111 | 3 | -1 | -1 | 1 | 6 | 1 | 17 | 7 | 10 | 10 | 10 | 8 | -1 | -1 | -1 | 4 | 4 | 5 |

I HAVE BEEN A OPERATOR OF AN 155 SP HOWITZER AS WELL AS A GUNNER AND CHIEF OF SECTION I ALSO SERVED IN WEST BERLIN GERMANY FOR 2 YEARS.

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION | : | 10 82 | 3 |
| MOS | :13B | GUNNER | : | 82 | |
| IN ARMY | : 5YR | AS.GUNNER | : | 81 | |
| IN ARTILLERY | : 5YR | LOADER | : | 80 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 5

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PRJCTL | LOADER: POS OP RAMMER | LOADER: PLACE CHARGE | LOADER: INS PRIM | LOADER: FIRE | LOADER: SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 33 | 411111 | 3 | 30 | 25 | 4 | -1 | -1 | 40 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| 1 | 33 | 515??? | 3 | -1 | -1 | 0.5 | 2 | 1 | 70 | 5 | 10 | 15 | 10 | 5 | -1 | 10 | 4 | 3 | 2 | 6 |
| 1 | 33 | 11?11? | 0 | 70 | 50 | 4 | 2 | 3 | 30 | 0 | 0 | 10 | 0 | 5 | 7 | 7 | 4 | 3 | 3 | 6 |
| 1 | 33 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | 6 | 0 | 12 | 0 | 6 | 6 | 8 | 4 | 3 | 2 | 7 |
| 1 | 33 | 213111 | 3 | 30 | 60 | 4 | 5 | 4 | 35 | 4 | 0 | 10 | 0 | 4 | 4 | 7 | 3 | 2 | 2 | 4 |
| 1 | 33 | 413111 | 0 | 30 | 50 | 3 | 10 | 3 | 15 | 5 | 0 | 9 | 0 | 5 | 4 | 7 | 3 | 2 | 2 | 5 |
| 1 | 33 | 311111 | 4 | 30 | 40 | 4 | 10 | 6 | 20 | 0 | 0 | 0 | 0 | 5 | 4 | 7 | 3 | 2 | 2 | 4 |
| 1 | 33 | 313111 | 3 | 30 | 50 | 4 | 15 | 5 | 20 | 4 | 8 | 10 | 0 | 5 | 3 | 7 | 3 | 2 | 999 | 6 |
| 1 | 33 | 515223 | 1 | -1 | -1 | -1 | 1 | -1 | 40 | 6 | 9 | 12 | 10 | 6 | -1 | 12 | 4 | 3 | 3 | 6 |
| 1 | 33 | 414112 | 3 | 30 | 45 | 2 | 0.2 | 2 | 30 | 6 | 10 | 10 | 0 | 7 | 5 | 7 | 4 | 2 | 2 | 6 |
| 1 | 33 | 535111 | 0 | 40 | -1 | 2 | 5 | -1 | 45 | 7 | 10 | 10 | 10 | 5 | 6 | 8 | 4 | 3 | 3 | 6 |
| 1 | 33 | 112111 | 0 | 20 | 50 | 6 | 15 | 5 | 20 | 0 | 0 | 0 | 0 | 4 | 4 | 6 | 3 | 2 | 2 | 4 |
| 1 | 33 | 514111 | 4 | 40 | 40 | 4 | 5 | 4 | 30 | 0 | 0 | 8 | 0 | 5 | 4 | 7 | 3 | 2 | 2 | 6 |
| 1 | 33 | 313112 | 3 | 40 | 60 | 4 | 5 | 4 | 30 | 4 | 6 | 6 | 8 | 6 | 4 | 7 | 4 | 2 | 2 | 4 |
| 1 | 33 | 315113 | 0 | -1 | 1 | 2 | -1 | 3 | 45 | 6 | 10 | 10 | 10 | 6 | -1 | 7 | 4 | 3 | 3 | 6 |
| 1 | 33 | 513111 | 7 | 45 | 90 | 2 | 5 | 4 | 30 | 4 | 0 | 10 | 10 | 6 | 6 | 7 | 4 | 3 | 3 | 5 |
| 1 | 33 | 123111 | 3 | -1 | -1 | 1 | 1 | -1 | 35 | 5 | 10 | 10 | 10 | 6 | -1 | 8 | 4 | 3 | 3 | 6 |
| 1 | 33 | 334251 | 3 | -1 | -1 | 2 | 2 | -1 | 35 | 6 | 10 | 10 | 10 | 6 | 6 | 10 | 3 | 3 | 3 | 6 |
| 1 | 33 | 113111 | 0 | 20 | 30 | 6 | 15 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 33 | 521111 | 4 | 25 | 30 | 4 | 15 | 5 | 30 | 0 | 0 | 10 | 0 | 6 | 4 | 7 | 3 | 3 | 3 | 6 |
| 1 | 33 | 113121 | 4 | 30 | 40 | 4 | 10 | 5 | 30 | 5 | 0 | 0 | 0 | 4 | 4 | 7 | 3 | 2 | 2 | 4 |
| 1 | 33 | 211111 | 0 | 30 | 40 | 4 | 4 | 4 | 30 | 0 | 0 | 0 | 0 | 4 | 4 | 6 | 3 | 3 | 3 | 4 |
| 1 | 33 | 224111 | 3 | -1 | -1 | -1 | 2 | -1 | 40 | 6 | 10 | 10 | 10 | 4 | 4 | 7 | 4 | 3 | 3 | 6 |
| 1 | 33 | 415314 | 0 | -1 | -1 | -1 | -1 | -1 | 60 | 7 | 12 | 12 | 12 | 6 | -1 | -1 | 4 | 4 | 4 | 7 |
| 1 | 33 | 312111 | 0 | 30 | 50 | 4 | 5 | 4 | 30 | 0 | 0 | 0 | 0 | 4 | 4 | 6 | 3 | 2 | 2 | 4 |
| 1 | 33 | 314112 | 0 | 40 | 60 | 4 | 5 | 4 | 30 | 7 | 10 | 10 | 10 | 6 | 4 | 7 | 3 | 3 | 3 | 6 |
| 1 | 33 | 314113 | 0 | -1 | -1 | 2 | 1 | -1 | 35 | 6 | 10 | 10 | 10 | 4 | -1 | 7 | 4 | 3 | 3 | 6 |
| 1 | 33 | 412111 | 3 | 30 | 45 | 4 | 4 | 4 | 30 | 0 | 0 | 0 | 0 | 4 | 4 | 7 | 3 | 2 | 2 | 4 |
| 1 | 33 | 414111 | 0 | 60 | 60 | 4 | 4 | 4 | 30 | 4 | 10 | 10 | 10 | 4 | 4 | 7 | 4 | 3 | 3 | 6 |
| 1 | 33 | 525111 | 0 | -1 | -1 | -1 | -1 | -1 | 45 | 6 | 10 | 10 | 10 | 6 | -1 | -1 | 4 | 3 | 3 | 6 |

SECTION CHIEF, NCO NCOIC FOR 3/18 FA A BTRY, I HAVE BEEN WITH 3/18 FOR 2 1/2 YRS AND HAVE WORKED WITH NBC, AND OTHER MAJOR

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : E-5 | | CH. OF SECTION : | 9 81 | 1 2 |
| MOS : 13B20 | | GUNNER : | 5 81 | 5 |
| IN ARMY : 2YR 6MO | | AS. GUNNER : | 2 81 | 4 |
| IN ARTILLERY : 2YR 6 MHEN | | LOADER : | | |

155 S.P. GUN CREW

COMBAT : N
ARTIL. COMBAT : N
#SUPERVISED : 20

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | CH. SECT | GUNNER | | AST. GUNNER | | LOADER | | | | | |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 5 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 | 34 | 411111 | 5 | 30 | 120 | 1 | 4 | 6 | 23 | 55 | 20 | 25 | 13 | 10 | 30 | 10 | 10 | 6 | 8 | 20 |
| 1 | 34 | 515031 | 5 | -1 | -1 | 1 | 3 | 2 | 55 | 75 | 35 | 45 | 45 | 30 | -1 | 30 | 55 | 35 | 30 | 45 |
| 1 | 34 | 114111 | 5 | -1 | -1 | 1 | 2 | 2 | 55 | 80 | 65 | 70 | 45 | 50 | -1 | -1 | 95 | 45 | 30 | 75 |
| 1 | 34 | 515311 | 5 | -1 | -1 | -1 | 1 | -1 | 120 | -1 | -1 | -1 | 95 | 90 | -1 | -1 | -1 | -1 | 90 | -1 |
| 1 | 34 | 213111 | 5 | -1 | -1 | 1 | -1 | 1 | 60 | 65 | 50 | 50 | 50 | 60 | -1 | 90 | 45 | 45 | 30 | 50 |
| 1 | 34 | 413111 | 5 | 35 | 65 | 2 | 4 | 4 | 45 | 65 | 50 | 50 | 45 | 50 | 55 | 50 | 45 | 30 | 25 | 30 |
| 1 | 34 | 311111 | 5 | 70 | 65 | 2 | 3 | 4 | 60 | 75 | -1 | -1 | 70 | 65 | -1 | 70 | 35 | 30 | 25 | 40 |
| 1 | 34 | 313111 | 5 | 45 | 60 | 2 | 3 | 4 | 65 | 120 | 60 | 55 | 50 | 50 | -1 | -1 | 60 | 55 | 50 | 45 |
| 1 | 34 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 160 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | 80 | 65 | 65 |
| 1 | 34 | 414112 | 5 | -1 | -1 | -1 | -1 | -1 | 160 | -1 | -1 | 180 | 90 | 120 | -1 | -1 | -1 | 120 | 120 | 160 |
| 1 | 34 | 535111 | 5 | -1 | -1 | -1 | -1 | -1 | 180 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 180 | 210 |
| 1 | 34 | 112111 | 5 | 90 | 120 | 2 | 3 | 2 | 100 | 120 | 90 | 90 | 75 | 120 | -1 | 180 | 85 | 70 | 60 | 65 |
| 1 | 34 | 514111 | 5 | 120 | -1 | -1 | 1 | -1 | 120 | 120 | 90 | 90 | 65 | 80 | -1 | -1 | -1 | 90 | 65 | 80 |
| 1 | 34 | 313112 | 5 | -1 | -1 | -1 | 1 | -1 | 160 | -1 | -1 | -1 | 160 | 180 | -1 | -1 | -1 | 120 | 90 | 160 |
| 1 | 34 | 313113 | 5 | -1 | -1 | -1 | -1 | -1 | 230 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 190 | 210 |
| 1 | 34 | 513111 | 5 | 85 | -1 | 2 | 1 | -1 | 180 | 90 | 90 | 120 | 60 | 95 | -1 | -1 | -1 | 65 | 60 | 80 |
| 1 | 34 | 123111 | 5 | 160 | -1 | 2 | 2 | -1 | 195 | 160 | 120 | 120 | 65 | 90 | -1 | -1 | -1 | 90 | 85 | 110 |
| 1 | 34 | 334231 | 5 | -1 | -1 | -1 | -1 | -1 | 210 | -1 | -1 | -1 | 190 | 160 | -1 | -1 | -1 | 120 | 160 | -1 |
| 1 | 34 | 113111 | 5 | 160 | -1 | 2 | 2 | -1 | 190 | 160 | 140 | 140 | 90 | 120 | -1 | 210 | 180 | 180 | 110 | 130 |
| 1 | 34 | 521111 | 5 | 120 | -1 | 3 | 1 | -1 | 160 | 120 | 80 | 80 | 75 | 80 | -1 | 120 | 80 | 65 | 70 | 120 |
| 1 | 34 | 113121 | 5 | 65 | -1 | 1 | 2 | -1 | 100 | 30 | 25 | 45 | 40 | 50 | 120 | 80 | 45 | 50 | 45 | 60 |
| 1 | 34 | 211111 | 5 | 70 | 130 | 2 | 4 | 3 | 115 | 30 | 25 | 25 | 30 | 30 | 80 | 65 | 50 | 35 | 35 | 45 |
| 1 | 34 | 224111 | 5 | 75 | 100 | 1 | 2 | -1 | 170 | 120 | 80 | 80 | 65 | 65 | -1 | -1 | -1 | 45 | 45 | 50 |
| 1 | 34 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 190 | -1 |
| 1 | 34 | 312111 | 5 | 180 | -1 | 1 | 2 | -1 | 180 | 180 | 120 | 160 | 180 | 190 | -1 | -1 | -1 | 120 | 65 | 110 |
| 1 | 34 | 314112 | 5 | -1 | -1 | -1 | -1 | -1 | 190 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 210 | 190 | -1 |
| 1 | 34 | 314113 | 5 | -1 | -1 | -1 | 1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 210 | 190 | 210 |
| 1 | 34 | 412111 | 5 | 180 | -1 | 1 | 2 | -1 | 190 | 120 | 90 | 100 | 80 | 120 | -1 | -1 | -1 | 120 | 90 | 130 |
| 1 | 34 | 414111 | 5 | -1 | -1 | -1 | 1 | -1 | 190 | -1 | -1 | -1 | 190 | -1 | -1 | -1 | -1 | 170 | 110 | 150 |
| 1 | 34 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 210 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

BN. AMMO SGT. HERE AT FT. SILL

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | CH.OF SECTION: | 79 | 3 |
| MOS | :13B | GUNNER : | 77 | 2 |
| IN ARMY | : 8YR 10 MO | AS.GUNNER : | 76 | 1 |
| IN ARTILLERY | : 7YR 6 MO | LOADER : | 75 | 1 |
| COMBAT | :N | | | |
| ARTIL. CALIBRATION | | #SUPERVISED : 5 | | |

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 37 | 411111 | 3 | 10 | 25 | 6 | 35 | 20 | 5 | 5 | 10 | 0 | 9 | 4 | 0 | 0 | 3 | 2 | 0 | 0 |
| 1 37 | 5.:131 | 3 | 35 | 45 | 1 | 5 | 5 | 15 | 30 | 25 | 28 | 15 | 10 | -1 | 15 | -1 | 6 | 4 | 7 |
| 1 37 | 114111 | 3 | 50 | 45 | 2 | 3 | 5 | 10 | 0 | 14 | 20 | 14 | 10 | -1 | 15 | -1 | 4 | 3 | 5 |
| 1 37 | 515311 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 5 | 14 | 19 | 14 | 17 | -1 | 15 | -1 | 5 | 3 | 5 |
| 1 37 | 213111 | 3 | 25 | 30 | 3 | 10 | 30 | 10 | 7 | 0 | 9 | 0 | 5 | 7 | 7 | 4 | 3 | 3 | 5 |
| 1 37 | 413111 | 3 | 40 | 60 | 2 | 5 | 15 | 7 | 6 | 10 | 15 | 9 | 5 | 6 | 7 | 10 | 3 | 2.5 | 5 |
| 1 37 | 312111 | 3 | 25 | 30 | 5 | 10 | 20 | 5 | 5 | 0 | 8 | 0 | 0 | 10 | 7 | 5 | 3 | 0 | 0 |
| 1 37 | 313111 | 3 | 20 | 30 | 6 | 12 | 15 | 8 | 6 | 10 | 10 | 0 | 5 | 6 | 8 | 5 | 3 | 2 | 5 |
| 1 37 | 515223 | 3 | 60 | -1 | 2 | 2 | -1 | 10 | 10 | 15 | 17 | 11 | 10 | -1 | 15 | -1 | 4 | 3 | 6 |
| 1 37 | 414112 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 8 | 10 | 11 | 10 | 6 | -1 | 10 | -1 | 3 | 2 | 5 |
| 1 37 | 535111 | 3 | 60 | -1 | 2 | 3 | -1 | 12 | 6 | 10 | 12 | 10 | 8 | -1 | 15 | -1 | 3 | 2 | 5 |
| 1 37 | 112111 | 3 | 23 | 30 | 8 | 5 | 12 | 6 | 8 | 10 | 13 | 10 | 8 | 7 | 10 | 6 | 3 | 3 | 5 |
| 1 37 | 514111 | 3 | 45 | -1 | 4 | 3 | -1 | 8 | 10 | 14 | 14 | 10 | 8 | -1 | 10 | -1 | 3 | 2 | 5 |
| 1 37 | 313112 | 3 | 60 | -1 | 4 | 2 | -1 | 7 | 12 | 15 | 12 | 14 | 9 | -1 | 10 | -1 | 2 | 3 | 5 |
| 1 37 | 313113 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 17 | 14 | 13 | 11 | 8 | -1 | 10 | -1 | 4 | 3 | 6 |
| 1 37 | 513111 | 3 | 25 | 30 | 5 | 5 | 10 | 5 | 10 | 11 | 14 | 10 | 8 | 5 | 8 | 5 | 3 | 2 | 5 |
| 1 37 | 123111 | 3 | 30 | 35 | 6 | 5 | 10 | 6 | 7 | 10 | 9 | 0 | 5 | 3 | 9 | 7 | 3 | 2 | 5 |
| 1 37 | 334231 | 3 | 60 | 60 | 2 | 4 | 7 | 10 | -1 | 14 | 16 | 10 | 9 | 5 | 0 | 7 | 3 | 2 | 5 |
| 1 37 | 113111 | 3 | 25 | 40 | 2 | 2 | 7 | 10 | 0 | 9 | 10 | 8 | 5 | 3 | 6 | 4 | 2 | 2 | 0 |
| 1 37 | 521111 | 3 | 20 | 25 | 4 | 5 | 10 | 11 | 6 | 10 | 9 | 0 | 5 | 0 | 0 | 4 | 2 | 0 | 5 |
| 1 37 | 113121 | 3 | 22 | 30 | 3 | 4 | 8 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 4 | 3 | 2 | 5 |
| 1 37 | 211111 | 3 | 20 | 30 | 4 | 5 | 10 | 10 | 10 | 0 | 9 | 0 | 5 | 0 | 7 | 5 | 2 | 2 | 4 |
| 1 37 | 224111 | 3 | 25 | 40 | 3 | 3 | 9 | 12 | 10 | 9 | 16 | 9 | 7 | 4 | 6 | 5 | 3 | 2 | 5 |
| 1 37 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 15 | 20 | 20 | 20 | 12 | -1 | 10 | 5 | 3 | 2 | 5 |
| 1 37 | 312111 | 3 | 25 | 35 | 6 | 5 | 9 | 10 | 7 | 10 | 12 | 10 | 8 | 5 | 7 | 4 | 2 | 0 | 5 |
| 1 37 | 314112 | 3 | 25 | 40 | 3 | 4 | 8 | 10 | 11 | 11 | 14 | 10 | 8 | 4 | 7 | 4 | 2 | 3 | 5 |
| 1 37 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | 14 | 16 | 11 | 9 | 3 | 0 | 4 | 3 | 2 | 5 |
| 1 37 | 412111 | 3 | 25 | 40 | 5 | 5 | 10 | 10 | 10 | 9 | 11 | 10 | 8 | 5 | 6 | 5 | 3 | 2 | 6 |
| 1 37 | 414111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 12 | 11 | 15 | 11 | 9 | -1 | 7 | -1 | 3 | 3 | 6 |
| 1 37 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 12 | 14 | 16 | 12 | 10 | -1 | 7 | -1 | 3 | 3 | 7 |

SECTION CHIEF ON 155 SP, ANCOC-CA STUDENT, 5 W CHIEF, SECTION CHIEF ON 155 SP

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : E-6 | CH.OF SECTION | : | 76 | 5 |
| MOS : 13B | GUNNER | : | 76 | 7 |
| IN ARMY : 7YR | AS.GUNNER | : | 75 | 3 |
| IN ARTILLERY : 7YR | LOADER | : | 75 | 4 |

COMBAT : Y WHEN 70 71

ARTIL. COMBAT : N #SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 39 | 411111 | 4 | -1 | 40 | 3 | 30 | 5 | 15 | 5 | 0 | 15 | 0 | 5 | 6 | 10 | 7 | 4 | 3 | 4 |
| 1 | 39 | 515431 | 3 | -1 | -1 | -1 | -1 | [illegible] | 30 | 15 | 21 | 21 | 14 | 9 | 10 | 8 | 5 | 4.5 | 4.5 | 9 |
| 1 | 39 | 114111 | 4 | 30 | 40 | 1 | 20 | 3 | [illegible] | 0 | 0 | 10 | 0 | 6 | 5 | 0 | 6 | 3 | 3 | 0 |
| 1 | 39 | 515311 | 4 | -1 | 45 | 1 | 12 | 3 | 25 | 6 | 10 | 10 | 10 | 0 | 10 | 7 | 5 | 3 | 3 | 0 |
| 1 | 39 | 213111 | 4 | 25 | 30 | 4 | 30 | 5 | 15 | 6 | 0 | 0 | 0 | 5 | 4 | 0 | 4 | 3 | 0 | 0 |
| 1 | 39 | 413111 | 4 | 20 | 30 | 3 | 25 | 6 | 15 | 5 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 | 39 | 311111 | 4 | 0 | 0 | 6 | 70 | 6 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 39 | 313111 | 4 | 20 | 27 | 4 | 40 | 4 | 15 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 2 | 0 | 0 |
| 1 | 39 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 20 | 0 | 10 | 10 | 10 | 7 | -1 | 0 | 4 | 3 | 0 | 0 |
| 1 | 39 | 414112 | 4 | -1 | -1 | -1 | 2 | 1 | 15 | 6 | 14 | 15 | 0 | 6 | -1 | 10 | -1 | 3 | 3 | 6 |
| 1 | 39 | 535111 | 4 | -1 | 50 | -1 | -1 | [illegible] | 15 | 9 | 18 | 15 | 15 | 7 | -1 | 10 | -1 | 4 | 4 | 6 |
| 1 | 39 | 112111 | 4 | 0 | 0 | 7 | 70 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 39 | 514111 | 4 | 20 | 35 | 6 | 20 | 1 | 15 | 6 | 15 | 14 | 10 | 5 | 6 | 0 | 6 | 4 | 3 | 0 |
| 1 | 39 | 313112 | 4 | 25 | 50 | 3 | 20 | 2 | 8 | 5 | 12 | 10 | 8 | 5 | 4 | 0 | 4 | 3 | 0 | 0 |
| 1 | 39 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 39 | 513111 | 4 | 20 | 0 | 3 | 30 | 4 | [illegible] | 5 | 15 | 15 | 12 | 0 | 5 | 0 | 4 | 3 | 0 | 0 |
| 1 | 39 | 123111 | 4 | 0 | 35 | 4 | 60 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 3 | 0 | 5 |
| 1 | 39 | 334231 | 4 | -1 | -1 | -1 | 5 | 1 | 25 | 9 | 15 | 20 | 15 | 6 | -1 | 10 | 6 | 6 | 3 | 6 |
| 1 | 39 | 113111 | 4 | 0 | 0 | 6 | 70 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 39 | 521111 | 4 | 20 | 35 | 6 | 60 | 5 | 8 | 7 | 15 | 15 | 15 | 7 | 6 | 0 | 4 | 0 | 0 | 0 |
| 1 | 39 | 113121 | 4 | 20 | 0 | 3 | 50 | 3 | 8 | 6 | 10 | 10 | 10 | 5 | 4 | 0 | 4 | 0 | 0 | 0 |
| 1 | 39 | 211111 | 4 | 20 | 30 | 5 | 60 | 2 | 10 | 6 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 3 | 0 |
| 1 | 39 | 224111 | 4 | -1 | -1 | -1 | 15 | 1 | 10 | 9 | 15 | 15 | 10 | 6 | -1 | 0 | 5 | 4 | 3 | 0 |
| 1 | 39 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 39 | 312111 | 4 | 20 | 30 | 4 | 60 | 4 | 8 | 6 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 0 |
| 1 | 39 | 314112 | 4 | -1 | -1 | -1 | 10 | 1 | 8 | 6 | 15 | 15 | 15 | 10 | -1 | 8 | -1 | 4 | 4 | 0 |
| 1 | 39 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | 6 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 39 | 412111 | 4 | 20 | 30 | 3 | 35 | 2 | 8 | 6 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 0 |
| 1 | 39 | 414111 | 4 | 25 | 35 | 2 | 35 | 1 | 8 | 0 | 10 | 10 | 10 | 6 | 5 | 0 | 4 | 3 | 0 | 0 |
| 1 | 39 | 525111 | 4 | -1 | -1 | -1 | 10 | 1 | 10 | 6 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

RECLASSIFIED INTO ARTILLERY: MY DUTIES AS FDC NCOIC OF A BRIGADE TACFIRE, SUPPORT OF BN ARTEP'S

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | FDC HCO | : | |
| MOS | :13C4T | FDC COMPUTER | :10 82 | 6 |
| IN ARMY | :15YR 0MO | | | |
| IN ARTILLERY : | 6 | | | |
| COMBAT | :Y 70 72 (WHEN) | | | |
| ARTIL. COMBAT:N | | #SUPERVISED : 10 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | | |
| CREW | RESP | SYMP COMP | CONF | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D D | SAY SET |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 1 | 411111 | 3 | -1 | 30 | 1 | 15 | 8 | 20 | 3 | 7 | 0 | 8 | 4 | 4 | 17 | 0 |
| 2 | 1 | 515931 | 4 | -1 | -1 | -1 | -1 | -1 | 35 | 5 | 9 | 6 | 10 | 6 | 7 | 25 | 6 |
| 2 | 1 | 114111 | 3 | 30 | 35 | -1 | 3 | 2 | 30 | 3 | 8 | 4 | 9 | 6 | 7 | 25 | 4 |
| 2 | 1 | 515311 | 4 | -1 | -1 | -1 | 2 | -1 | 30 | 3 | 9 | 4 | 9 | 6 | 5 | 23 | 4 |
| 2 | 1 | 213111 | 4 | 27 | 35 | 2 | 6 | 7 | 25 | 3 | 8 | 4 | 7 | 5 | 5 | 22 | 4 |
| 2 | 1 | 311111 | 3 | 25 | 30 | 2 | 5 | 8 | 25 | 0 | 7 | 4 | 7 | 5 | 4 | 20 | 4 |
| 2 | 1 | 313111 | 4 | 28 | 35 | 1 | 5 | 6 | 30 | 3 | 8 | 4 | 7 | 5 | 4 | 23 | 4 |
| 2 | 1 | 515223 | 4 | -1 | -1 | -1 | -1 | 1 | 50 | 4 | 11 | 6 | 8 | 5 | 7 | 30 | 6 |
| 2 | 1 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | 4 | 8 | 5 | 8 | 6 | 5 | 35 | 5 |
| 2 | 1 | 535111 | 4 | -1 | -1 | -1 | 1 | 1 | 50 | 4 | 10 | 7 | 8 | 6 | 7 | 35 | 7 |
| 2 | 1 | 112111 | 5 | 20 | 25 | 3 | 10 | 10 | 20 | 0 | 6 | 0 | 6 | 4 | 4 | 18 | 4 |
| 2 | 1 | 514111 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 3 | 8 | 4 | 6 | 4 | 5 | 35 | 4 |
| 2 | 1 | 315113 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 3 | 8 | 4 | 6 | 4 | 5 | 30 | 4 |
| 2 | 1 | 513111 | 4 | 27 | 32 | 2 | 5 | 6 | 35 | 3 | 7 | 4 | 6 | 4 | 4 | 23 | 4 |
| 2 | 1 | 123111 | 4 | -1 | -1 | 1 | -1 | -1 | 45 | 3 | 6 | 4 | 6 | 4 | 5 | 25 | 4 |
| 2 | 1 | 534231 | 3 | 25 | 30 | 1 | 5 | 6 | 40 | 3 | 8 | 4 | 6 | 4 | 4 | 23 | 4 |
| 2 | 1 | 113111 | 4 | 20 | 25 | 3 | 15 | 10 | 25 | 0 | 6 | 0 | 0 | 4 | 0 | 17 | 0 |
| 2 | 1 | 521111 | 4 | 25 | 29 | 2 | 8 | 5 | 35 | 3 | 7 | 4 | 6 | 4 | 4 | 19 | 4 |
| 2 | 1 | 211111 | 4 | 25 | 28 | 3 | 8 | 7 | 35 | 3 | 6 | 4 | 0 | 0 | 4 | 22 | 4 |
| 2 | 1 | 224111 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 3 | 8 | 4 | 6 | 4 | 4 | 30 | 4 |
| 2 | 1 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | 60 | 4 | 13 | 6 | 7 | 5 | 7 | 40 | 6 |
| 2 | 1 | 214131 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 4 | 8 | 5 | 7 | 5 | 5 | 35 | 5 |
| 2 | 1 | 112121 | 4 | 30 | 35 | 3 | 7 | 6 | 35 | 0 | 7 | 0 | 0 | 0 | 4 | 27 | 4 |

WORKED IN BATTALION FDC AS A BATTERY COMPUTER, PRESENTLY JUST COMPLETED A STANCE OF ACTING SECTION CHIEF AND PRESENTLY A BATTERY COMPUTER IN A BATTERY FDC.

| DEMOGRAPHIC DATA | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-8 | FDC HCO | : 1 76 | 3 1 |
| MOS | :13F10 | FDC COMPUTER | : 2 81 | 1 9 |
| IN ARMY | : 5YR 2MO | | | |
| IN ARTILLERY | : 5YR 2 | | | |
| COMBAT | :N | WHEN | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 4 | 411111 | 3 | 45 | 60 | 1 | 0.5 | 2 | 40 | 4 | 8 | 6 | 10 | 0 | 8 | 30 | 13 |
| 2 4 | 515031 | 4 | -1 | -1 | 0.2 | -1 | -1 | -1 | 122 | -1 | 0 | -1 | 0 | 63 | -1 | -1 |
| 2 4 | 114111 | 3 | 45 | 60 | 3 | 1 | 3 | 60 | 7 | 10 | 4 | 7 | 0 | 5 | 20 | 5 |
| 2 4 | 515311 | 3 | -1 | -1 | -1 | -1 | 1 | -1 | 62 | -1 | 5 | -1 | 6 | -1 | -1 | 13 |
| 2 4 | 213111 | 3 | 30 | 40 | 3 | 2 | 4 | 35 | 12 | 10 | 5 | 8 | 0 | 13 | 30 | 8 |
| 2 4 | 311111 | 3 | 25 | 50 | 3 | 2 | 5 | 35 | 5 | 8 | 5 | 8 | 0 | 10 | 25 | 8 |
| 2 4 | 313111 | 3 | 30 | 50 | 3 | 1.5 | 3 | 35 | 5 | 8 | 5 | 8 | 0 | 10 | 30 | 13 |
| 2 4 | 515223 | 3 | -1 | -1 | -1 | -1 | 1 | -. | 22 | -1 | 23 | -1 | -1 | -1 | -1 | -1 |
| 2 4 | 414112 | 3 | 60 | -1 | 2 | 0.5 | 2 | 60 | 12 | 15 | 13 | 7 | 0 | 5 | 25 | 13 |
| 2 4 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 4 | 112111 | 3 | 20 | 25 | 3 | 2 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 5 |
| 2 4 | 514111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 4 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | 30 | 32 | 7 | 10 | 30 | 10 |
| 2 4 | 513111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | 30 | -1 | 6 | -1 | -1 | 13 |
| 2 4 | 123111 | 3 | 20 | 25 | 2 | 1 | 5 | 20 | 3 | 6 | 4 | 0 | 0 | 0 | 20 | 5 |
| 2 4 | 334231 | 3 | 30 | 160 | 2 | 0.5 | 3 | 60 | 12 | 15 | 13 | 10 | 0 | 10 | 30 | 13 |
| 2 4 | 113111 | 3 | 20 | 30 | 3 | 2 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 4 | 521111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | 13 | 30 | 6 | -1 | -1 | 13 |
| 2 4 | 211111 | 3 | 20 | 25 | 3 | 1.5 | 5 | 30 | 30 | 15 | 0 | 0 | 0 | 5 | 20 | 5 |
| 2 4 | 224111 | 3 | 20 | 25 | 3 | 2 | 3 | 25 | 30 | 30 | 20 | 25 | 0 | 5 | 25 | 5 |
| 2 4 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 4 | 214131 | 3 | 30 | -1 | 2 | 1 | -1 | 45 | -1 | 30 | -1 | 10 | 0 | -1 | 60 | -1 |
| 2 4 | 112121 | 3 | 20 | 30 | 3 | 2 | 4 | 35 | 12 | 20 | 20 | 10 | 0 | 10 | 25 | 7 |

DIRECTION. OF FIRE FOR BATTALION, MAINTANANCE: SECTION, EQUIPMENT-VEHICLES : PHYSICAL ENVIRONMENT; CUTTIG GRASS, SWEEPING ASPHALT
STAYING OUT OF LEGAL/FINANCIAL TROUBLES

DEMOGRAPHIC DATA

| | | | | |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO | : | |
| MOS | :13C | FDC COMPUTER | :10 82 | 2 |
| IN ARMY | : 2YR 8MO | | | |
| IN ARTILLERY | : 2YR 8 MO | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : | 5 | |

(FDC HCO / FDC COMPUTER columns: WHEN MO YR; HOW LONG YR MO)

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT HDP | READ RANGE | CALC D U | SAY SET |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIMULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 5 411111 | 2 | 40 | 0 | 3 | 10 | 3 | 60 | 5 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| 2 | 5 515451 | 1 | 100 | 100 | 1 | 1 | 2 | 100 | 10 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| 2 | 5 114111 | 2 | 30 | 35 | 5 | 2 | 10 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 5 515311 | 1 | 60 | 100 | 2 | 2 | 2 | 180 | 0 | 0 | 0 | 10 | 20 | 20 | 0 | 0 |
| 2 | 5 213111 | 1 | 40 | 40 | 1 | 1 | 2 | 60 | 0 | 0 | 0 | 10 | 8 | 0 | 0 | 15 |
| 2 | 5 413111 | 2 | 30 | 0 | 1 | 1 | 2 | 60 | 0 | 0 | 0 | 10 | 8 | 0 | 0 | 0 |
| 2 | 5 311111 | 2 | 0 | 0 | 1 | 1 | 2 | 40 | 4 | 10 | 6 | 10 | 10 | 4 | 0 | 10 |
| 2 | 5 313111 | 1 | 45 | 40 | 1 | 1 | 2 | 60 | 4 | 6 | 6 | 10 | 20 | 5 | 0 | 0 |
| 2 | 5 515223 | 2 | 45 | 50 | 1 | 1 | 2 | 80 | 4 | 9 | 0 | 10 | 10 | 6 | 0 | 10 |
| 2 | 5 414112 | 2 | 40 | 50 | 1 | 1 | 2 | 60 | 10 | 10 | 10 | 15 | 15 | 20 | 0 | 10 |
| 2 | 5 535111 | 2 | 45 | 60 | 1 | 1 | 2 | 80 | 10 | 10 | 5 | 10 | 10 | 7 | 0 | 6 |
| 2 | 5 112111 | 2 | 20 | 30 | 2 | 5 | 4 | 50 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 |
| 2 | 5 514111 | 2 | 25 | 40 | 1 | 2 | 2 | 60 | 4 | 10 | 6 | 10 | 15 | 6 | 0 | 6 |
| 2 | 5 313112 | 2 | 35 | 0 | 2 | 2 | 3 | 60 | 10 | 15 | 10 | 10 | 10 | 6 | 0 | 6 |
| 2 | 5 315113 | 2 | 40 | 120 | 1 | 1 | 2 | 120 | 5 | 10 | 5 | 10 | 10 | 6 | 0 | 6 |
| 2 | 5 513111 | 2 | 40 | 40 | 1 | 1 | 3 | 60 | 4 | 10 | 6 | 10 | 10 | 15 | 0 | 6 |
| 2 | 5 123111 | 2 | 25 | 0 | 2 | 3 | 4 | 60 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 |
| 2 | 5 334231 | 2 | 40 | 60 | 1 | 1 | 2 | 120 | 4 | 10 | 6 | 10 | 10 | 10 | 0 | 10 |
| 2 | 5 113111 | 3 | 25 | 40 | 4 | 5 | 5 | 40 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 |
| 2 | 5 521111 | 2 | 75 | 50 | 2 | 2 | 2 | 60 | 4 | 10 | 6 | 10 | 30 | 15 | 0 | 6 |
| 2 | 5 113121 | 2 | 30 | 45 | 3 | 3 | 4 | 60 | 4 | 10 | 6 | 10 | 10 | 10 | 0 | 7 |
| 2 | 5 211111 | 2 | 30 | 0 | 3 | 3 | 4 | 60 | 4 | 10 | 5 | 10 | 10 | 10 | 0 | 5 |
| 2 | 5 224111 | 2 | 40 | 45 | 2 | 2 | 4 | 60 | 10 | 10 | 10 | 15 | 15 | 15 | 25 | 0 |
| 2 | 5 415310 | 2 | 120 | 120 | 1 | 1 | 2 | 120 | 6 | 10 | 6 | 4 | 10 | 10 | 0 | 6 |
| 2 | 5 312111 | 2 | 30 | 30 | 2 | 2 | 3 | 60 | 4 | 10 | 6 | 5 | 6 | 4 | 0 | 6 |
| 2 | 5 314112 | 2 | 35 | 35 | 1 | 1 | 3 | 60 | 6 | 6 | 6 | 10 | 10 | 10 | 0 | 6 |
| 2 | 5 314113 | 3 | 120 | 120 | 1 | 1 | 2 | 120 | 5 | 10 | 5 | 10 | 10 | 15 | 0 | 10 |
| 2 | 5 412111 | 3 | 35 | 35 | 2 | 2 | 3 | 63 | 4 | 10 | 6 | 10 | 10 | 6 | 0 | 6 |
| 2 | 5 414111 | 3 | 30 | 40 | 2 | 2 | 4 | 80 | 0 | 0 | 0 | 10 | 10 | 10 | 0 | 0 |
| 2 | 5 525111 | 2 | 45 | 45 | 2 | 1 | 3 | 120 | 4 | 10 | 6 | 6 | 10 | 10 | 0 | 6 |

TACFIRE COMPUTER SPECIALIST, ASST SECTION CHIEF, OVERSEES MAINT ON ALL VEHICLES RELATED TO TACFIRE UNIT, AND TRAINING ON ALL SECTION PERSONNEL

DEMOGRAPHIC DATA

| | | | WHEN DO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | FDC HCO : | | |
| MOS | :13C | FDC COMPUTER : | 81 | 1 |
| IN ARMY | : 6YR | | | |
| IN ARTILLERY | : 2YR | | | |

WHEN

COMBAT :N

ARTIL. COMPAT:N #SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 7 | 411111 | 0 | 0 | 50 | 6 | 45 | 25 | 30 | 5 | 10 | 10 | 10 | 7 | 8 | 0 | 10 |
| 2 | 7 | 515431 | 0 | -1 | -1 | 2 | 20 | 4 | 30 | 10 | 7 | 8 | 10 | 7 | 10 | 20 | 15 |
| 2 | 7 | 114111 | 0 | 30 | 50 | 3 | 25 | 5 | 35 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2 | 7 | 515311 | 0 | -1 | 60 | 2 | 15 | 2 | 45 | 10 | 7 | 10 | 8 | 5 | 7 | 30 | 10 |
| 2 | 7 | 213111 | 0 | 20 | 35 | 4 | 35 | 7 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 7 | 413111 | 0 | 20 | 35 | 5 | 40 | 7 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 7 | 311111 | 0 | 0 | 35 | 4 | 45 | 7 | 30 | 5 | 7 | 10 | 0 | 0 | 0 | 0 | 0 |
| 2 | 7 | 313111 | 0 | 20 | 60 | 4 | 35 | 6 | 30 | 5 | 9 | 10 | 10 | 6 | 7 | 0 | 10 |
| 2 | 7 | 515223 | 3 | -1 | -1 | -1 | 15 | 5 | 60 | 15 | 10 | 20 | 10 | 7 | 10 | 20 | 10 |
| 2 | 7 | 414112 | 0 | 45 | 75 | 2 | 25 | 10 | 35 | 7 | 10 | 9 | 8 | 10 | 7 | 20 | 10 |
| 2 | 7 | 535111 | 0 | -1 | -1 | 2 | 25 | 4 | 30 | 15 | 10 | 10 | 10 | 10 | 10 | 25 | 10 |
| 2 | 7 | 112111 | 0 | 0 | 40 | 4 | 55 | 6 | 25 | 0 | 0 | 0 | 10 | 7 | 6 | 0 | 0 |
| 2 | 7 | 514111 | 0 | 35 | 55 | 4 | 30 | 5 | 40 | 5 | 10 | 10 | 7 | 7 | 6 | 0 | 10 |
| 2 | 7 | 313112 | 0 | 25 | 45 | 4 | 30 | 6 | 35 | 5 | 10 | 10 | 8 | 7 | 6 | 0 | 10 |
| 2 | 7 | 315113 | 0 | 30 | 65 | 2 | 25 | 3 | 45 | 5 | 10 | 10 | 10 | 8 | 6 | 20 | 10 |
| 2 | 7 | 513111 | 0 | 25 | 60 | 2 | 55 | 3 | 20 | 6 | 7 | 7 | 6 | 6 | 7 | 0 | 10 |
| 2 | 7 | 123111 | 0 | 0 | 45 | 0 | 60 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2 | 7 | 334231 | 3 | 30 | 60 | 2 | 25 | 3 | 45 | 10 | 10 | 10 | 7 | 8 | 7 | 0 | 10 |
| 2 | 7 | 113111 | 0 | 35 | 45 | 3 | 45 | 6 | 30 | 5 | 7 | 6 | 7 | 5 | 6 | 0 | 10 |
| 2 | 7 | 521111 | 5 | 0 | 40 | 2 | 50 | 4 | 20 | 3 | 0 | 6 | 7 | 8 | 5 | 0 | 10 |
| 2 | 7 | 113121 | 3 | 30 | 40 | 2 | 30 | 4 | 45 | 6 | 10 | 7 | 10 | 6 | 6 | 0 | 10 |
| 2 | 7 | 211111 | 3 | 0 | 40 | 2 | 45 | 3 | 45 | 5 | 7 | 5 | 10 | 6 | 7 | 0 | 10 |
| 2 | 7 | 224111 | 0 | 30 | 60 | 2 | 40 | 3 | 25 | 10 | 15 | 10 | 10 | 7 | 6 | 0 | 10 |
| 2 | 7 | 415318 | 0 | 60 | -1 | 2 | 25 | -1 | 20 | 10 | 10 | 10 | 10 | 7 | 6 | 0 | 10 |
| 2 | 7 | 312111 | 0 | 20 | 40 | 2 | 20 | 2 | 15 | 6 | 10 | 7 | 10 | 7 | 5 | 0 | 10 |
| 2 | 7 | 314112 | 3 | 40 | 60 | 2 | 25 | 6 | 35 | 5 | 10 | 7 | 7 | 7 | 6 | 0 | 10 |
| 2 | 7 | 314113 | 3 | 45 | 60 | 2 | 25 | 6 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2 | 7 | 412111 | 3 | 30 | 65 | 2 | 35 | 4 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2 | 7 | 414111 | 0 | 30 | 60 | 2 | 25 | 3 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 2 | 7 | 525111 | 0 | 45 | 75 | 2 | 25 | 4 | 35 | 5 | 10 | 7 | 10 | 7 | 6 | 0 | 10 |

FDC RELATED DUTIES AS HCO VCO COMPUTER, HUC ASSISTANT.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO : | 80 | 1 |
| MOS | :13F | FDC COMPUTER : | 81 | 1 6 |
| IN ARMY | : 2YR 6MO | | | |
| IN ARTILLERY | : 2YR 6 | | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| CREW RESP | SYMP COMP | LON | CLIMB STAIRS | LIFT BOXES | ORDINARY TASKS: CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS — FDO: SAY MISN | REVIEW CALC | SAY ORDER | HCO: PLOT TGT | ORIENT RDP | READ RANGE | COMPUTER: CALC D U | SAY SET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 8 | 411111 | 3 | 20 | 30 | 6 | 15 | 5 | 8 | 4 | 0 | 0 | 10 | 0 | 0 | 20 | 6 |
| 2 8 | 515431 | 3 | -1 | -1 | 2 | 5 | 2 | 15 | 5 | 10 | 5 | 15 | 5 | 6 | 25 | 8 |
| 2 8 | 114111 | 4 | 0 | 30 | 4 | 10 | 5 | 5 | 0 | 0 | 0 | 7 | 0 | 4 | 20 | 5 |
| 2 8 | 515311 | 4 | -1 | 30 | 3 | 5 | 7 | 6 | 3 | 0 | 0 | 10 | 0 | 5 | 20 | 0 |
| 2 8 | 213111 | 4 | 0 | 0 | 10 | 10 | 8 | 4 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 5 |
| 2 8 | 413111 | 4 | 17 | 0 | 10 | 8 | 5 | 5 | 0 | 0 | 0 | 6 | 4 | 4 | 0 | 5 |
| 2 8 | 311111 | 4 | 0 | 0 | 8 | 10 | 10 | 5 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 5 |
| 2 8 | 313111 | 4 | 0 | 0 | 7 | 10 | 10 | 6 | 0 | 0 | 0 | 7 | 4 | 4 | 0 | 4 |
| 2 8 | 515223 | 4 | 30 | 35 | 3 | 5 | 4 | 8 | 5 | 0 | 0 | 10 | 5 | 5 | 20 | 7 |
| 2 6 | 414112 | 4 | 25 | -1 | 2 | 4 | 3 | 8 | 3 | 7 | 0 | 8 | 4 | 4 | 0 | 5 |
| 2 8 | 535111 | 4 | 40 | 40 | 1 | 2 | 4 | 7 | 3 | 7 | 0 | 10 | 4 | 5 | 0 | 5 |
| 2 6 | 112111 | 4 | 0 | 0 | 10 | 10 | 8 | 5 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 4 |
| 2 8 | 514111 | 4 | 20 | 25 | 6 | 10 | 7 | 7 | 0 | 0 | 0 | 7 | 4 | 5 | 0 | 4 |
| 2 8 | 313112 | 4 | 0 | 0 | 10 | 10 | 8 | 5 | 0 | 0 | 0 | 7 | 4 | 4 | 0 | 4 |
| 2 8 | 315113 | 4 | -1 | -1 | 3 | 8 | 4 | 10 | 3 | 7 | 0 | 8 | 5 | 4 | 18 | 4 |
| 2 8 | 513111 | 4 | 20 | 0 | 10 | 10 | 8 | 7 | 0 | 0 | 0 | 7 | 4 | 4 | 0 | 4 |
| 2 6 | 123111 | 4 | 0 | 0 | 10 | 10 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 8 | 334231 | 4 | 30 | -1 | 2 | 3 | 3 | 10 | 4 | 0 | 0 | 10 | 5 | 5 | 20 | 5 |
| 2 6 | 113111 | 4 | 0 | 0 | 10 | 10 | 8 | 5 | 0 | 0 | 0 | 7 | 0 | 4 | 0 | 0 |
| 2 8 | 521111 | 4 | 20 | 30 | 8 | 8 | 5 | 7 | 0 | 0 | 0 | 7 | 4 | 4 | 0 | 4 |
| 2 6 | 113121 | 4 | 0 | 0 | 8 | 10 | 8 | 7 | 0 | 0 | 0 | 7 | 4 | 4 | 0 | 4 |
| 2 6 | 211111 | 4 | 0 | 0 | 10 | 10 | 8 | 5 | 0 | 0 | 0 | 6 | 4 | 4 | 0 | 4 |
| 2 8 | 224111 | 4 | 0 | 0 | 8 | 10 | 6 | 5 | 0 | 0 | 0 | 7 | 5 | 5 | 0 | 4 |
| 2 8 | 415314 | 4 | -1 | -1 | 1 | -1 | 1 | 12 | 5 | 10 | 4 | 12 | 5 | 6 | 25 | 6 |
| 2 6 | 312111 | 4 | 0 | 0 | 8 | 10 | 7 | 5 | 0 | 0 | 0 | 7 | 4 | 0 | 0 | 4 |
| .. 8 | 314112 | 4 | 0 | 0 | 8 | 10 | 6 | 5 | 0 | 0 | 0 | 6 | 4 | 4 | 0 | 4 |
| 2 8 | 314113 | 4 | -1 | -1 | 3 | 5 | 3 | 7 | 3 | 0 | 0 | 7 | 4 | 4 | 0 | 4 |
| 2 8 | 412111 | 4 | 0 | 0 | 8 | 10 | 6 | 5 | 0 | 0 | 0 | 6 | 4 | 4 | 0 | 4 |
| 2 8 | 414111 | 4 | 0 | 0 | 7 | 10 | 5 | 7 | 0 | 0 | 0 | 6 | 4 | 4 | 0 | 4 |
| 2 8 | 525111 | 4 | -1 | -1 | 2 | 5 | 3 | 8 | 4 | 7 | 0 | 10 | 4 | 4 | 20 | 5 |

MY DUTIES AS A FDC MEN HAVE RANGED ANYWHERE FROM 57/A1 (TRACK) MAINTANCE TO COMPUTER; RTO; FDC HCO, FDC VCO, TO CHEMICAL SURVEY TEAM, & OFF AND ON

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO : | 80 | 2 5* |
| MOS | :13F10 | FDC COMPUTER : | 80 | 2 5* |
| IN ARMY | : 2YR 5MO* | | | |
| IN ARTILLERY | : 2YR 5 * | | | |
| | AUG.N | | | |
| COMBAT | :N | | | |
| ARTIL. COMPAT | :N | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | LOW | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 9 411111 | 8 | 21 | 26 | 3 | 30 | 5 | 10 | 4 | 0 | 6 | 8 | 0 | 5 | 0 | 5 |
| 2 | 9 515031 | 8 | -1 | 35 | 1 | 5 | 5 | 23 | 5 | 10 | 6 | 9 | 5 | 6 | 25 | 7 |
| 2 | 9 114111 | 8 | 16 | 23 | 3 | 15 | 5 | 12 | 5 | 0 | 0 | 0 | 0 | 4 | 20 | 5 |
| 2 | 9 515311 | 8 | -1 | -1 | 1 | 3 | 1 | 25 | 5 | 7 | 0 | 7 | 5 | 5 | 20 | 5 |
| 2 | 9 213111 | 5 | 17 | 22 | 3 | 25 | 3 | 18 | 5 | 0 | 0 | 6 | 0 | 4 | 17 | 4 |
| 2 | 9 413111 | 5 | 19 | 24 | 2 | 20 | 3 | 15 | 6 | 0 | 0 | 7 | 0 | 5 | 19 | 5 |
| 2 | 9 311111 | 8 | 17 | 22 | 3 | 25 | 3 | 15 | 4 | 0 | 0 | 6 | 4 | 4 | 0 | 4 |
| 2 | 9 313111 | 4 | 16 | 23 | 3 | 20 | 3 | 15 | 4 | 0 | 0 | 6 | 4 | 4 | 17 | 4 |
| 2 | 9 515223 | 5 | -1 | -1 | 1 | 3 | 2 | 22 | 6 | 7 | 0 | 10 | 0 | 6 | 23 | 8 |
| 2 | 9 414112 | 4 | 25 | 21 | 3 | 20 | 3 | 19 | 5 | 6 | 0 | 6 | 0 | 4 | 19 | 5 |
| 2 | 9 535111 | 5 | -1 | -1 | 1 | 10 | 1 | 20 | 6 | 9 | 0 | 8 | 0 | 7 | 27 | 8 |
| 2 | 9 112111 | 5 | 17 | 21 | 3 | 30 | 4 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 |
| 2 | 9 514111 | 4 | 30 | 40 | 1 | 15 | 2 | 21 | 4 | 7 | 0 | 7 | 5 | 5 | 23 | 6 |
| 2 | 9 313112 | 4 | -1 | -1 | 1 | 15 | 2 | 19 | 4 | 6 | 0 | 6 | 0 | 4 | 20 | 5 |
| 2 | 9 315113 | 8 | -1 | -1 | 1 | 7 | 1 | 25 | 6 | 9 | 0 | 6 | 0 | 6 | 29 | 7 |
| 2 | 9 513111 | 8 | 20 | 25 | 1 | 20 | 2 | 19 | 5 | 7 | 0 | 6 | 0 | 999 | 17 | 8 |
| 2 | 9 123111 | 8 | 23 | 27 | 1 | 18 | 2 | 19 | 3 | 6 | 0 | 6 | 0 | 4 | 17 | 4 |
| 2 | 9 334231 | 5 | -1 | 33 | 1 | 5 | 2 | 22 | 5 | 6 | 0 | 7 | 0 | 5 | 22 | 6 |
| 2 | 9 113111 | 8 | 18 | 23 | 3 | 15 | 5 | 12 | 5 | 0 | 0 | 0 | 0 | 4 | 20 | 5 |
| 2 | 9 521111 | 8 | 25 | 21 | 3 | 20 | 5 | 19 | 5 | 6 | 0 | 6 | 0 | 4 | 19 | 5 |
| 2 | 9 113121 | 5 | 20 | 25 | 3 | 25 | 3 | 17 | 4 | 0 | 0 | 6 | 0 | 0 | 18 | 4 |
| 2 | 9 211111 | 5 | [illegible] | 0 | 3 | 25 | 3 | 18 | 3 | 6 | 0 | 6 | 0 | 0 | 18 | 4 |
| 2 | 9 224111 | 4 | 29 | 31 | 1 | 10 | 2 | 20 | 5 | 8 | 0 | 9 | 0 | 6 | 21 | 6 |
| 2 | 9 413314 | 5 | -1 | -1 | 1 | 8 | 1 | 30 | 11 | 15 | 0 | 11 | 0 | 10 | 40 | 10 |
| 2 | 9 312111 | 5 | 19 | 24 | 2 | 15 | 3 | 19 | 4 | 6 | 0 | 0 | 0 | 0 | 18 | 5 |
| 2 | 9 314112 | 8 | 26 | 29 | 2 | 12 | 2 | 21 | 5 | 9 | 0 | 8 | 0 | 7 | 21 | 7 |
| 2 | 9 31411 | 8 | -1 | 41 | 1 | 8 | 2 | 22 | 6 | 9 | 0 | 10 | 0 | 9 | 22 | 9 |
| 2 | 9 412111 | 5 | 20 | 25 | 3 | 25 | 3 | 17 | 4 | 0 | 0 | 6 | 0 | 0 | 18 | 4 |
| 2 | 9 414111 | 5 | 19 | 26 | 3 | 20 | 2 | 19 | 5 | 0 | 0 | 7 | 0 | 0 | 17 | 5 |
| 2 | 9 525111 | 5 | -1 | -1 | 1 | 6 | 1 | 27 | 4 | 13 | 0 | 16 | 6 | 8 | 31 | 8 |

IN THE PAST YEAR I HAVE SUPERVISED THE OPERATION OF THE BTRY FDC AND BOC, WHILE ALSO OPERATING AS THE CHIEF COMPUTER.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE :E-6 | FDC HCO | : | 78 | 6 |
| MOS :13C30 | FDC COMPUTER | : | 78 | 4 |
| IN ARMY : 5YR | | | | |
| IN ARTILLERY : 5YR | | | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N    #SUPERVISED : 10

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D D | SAY SET |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 10 | 411111 | 4 | 17 | 21 | 6 | 30 | 10 | 15 | 3 | 6 | 0 | 7 | 0 | 5 | 19 | 6 |
| 2 | 10 | 515031 | 5 | -1 | -1 | 1 | 5 | 2 | 20 | 6 | 8 | 0 | 10 | 0 | 7 | 23 | 8 |
| 2 | 10 | 114111 | 4 | 17 | 23 | 3 | 15 | 5 | 17 | 0 | 0 | 0 | 6 | 0 | 4 | 18 | 0 |
| 2 | 10 | 515111 | 5 | 30 | -1 | 1 | 3 | 1 | 17 | 5 | 8 | 0 | 9 | 0 | 7 | 20 | 7 |
| 2 | 10 | 213111 | 5 | 16 | 22 | 7 | 20 | 6 | 15 | 4 | 0 | 0 | 6 | 0 | 5 | 0 | 5 |
| 2 | 10 | 413111 | 9 | 16 | 26 | 4 | 12 | 7 | 17 | 5 | 0 | 0 | 7 | 0 | 5 | 18 | 6 |
| 2 | 10 | 311111 | 5 | 16 | 21 | 8 | 30 | 9 | 15 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| 2 | 10 | 313111 | 5 | 19 | 26 | 3 | 10 | 4 | 17 | 3 | 0 | 0 | 6 | 0 | 4 | 17 | 4 |
| 2 | 10 | 515223 | 5 | -1 | -1 | 1 | 3 | 2 | 18 | 5 | 8 | 0 | 7 | 0 | 6 | 20 | 6 |
| 2 | 10 | 414112 | 4 | -1 | -1 | 1 | 3 | 2 | 16 | 4 | 6 | 0 | 7 | 0 | 6 | 20 | 5 |
| 2 | 10 | 535111 | 5 | -1 | -1 | 1 | 2 | 1 | 18 | 5 | 7 | 0 | 8 | 0 | 6 | 20 | 6 |
| 2 | 10 | 112111 | 5 | 16 | 22 | 5 | 16 | 7 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 |
| 2 | 10 | 514111 | 8 | 999 | -1 | 2 | 6 | 3 | 17 | 4 | 6 | 0 | 7 | 0 | 6 | 19 | 6 |
| 2 | 10 | 313112 | 4 | 22 | 26 | 2 | 10 | 5 | 15 | 3 | 6 | 0 | 6 | 0 | 4 | 17 | 5 |
| 2 | 10 | 315113 | 9 | -1 | -1 | 1 | 1 | 1 | 17 | 3 | 6 | 0 | 7 | 0 | 4 | 18 | 4 |
| 2 | 10 | 513111 | 5 | 22 | 26 | 3 | 6 | 6 | 15 | 5 | 7 | 0 | 8 | 0 | 5 | 20 | 5 |
| 2 | 10 | 123111 | 5 | 17 | 28 | 6 | 15 | 6 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 |
| 2 | 10 | 334231 | 8 | -1 | -1 | 1 | 2 | 2 | 18 | 5 | 8 | 0 | 8 | 0 | 6 | 25 | 6 |
| 2 | 10 | 113111 | 5 | 16 | 22 | 6 | 20 | 7 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 |
| 2 | 10 | 521111 | 8 | 16 | 28 | 5 | 12 | 5 | 16 | 4 | 6 | 0 | 7 | 0 | 4 | 18 | 5 |
| 2 | 10 | 113121 | 8 | 19 | 25 | 3 | 8 | 4 | 15 | 3 | 6 | 0 | 6 | 0 | 4 | 18 | 0 |
| 2 | 10 | 211111 | 5 | 0 | 21 | 6 | 12 | 5 | 15 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| 2 | 10 | 224111 | 8 | 20 | -1 | 2 | 6 | 3 | 17 | 4 | 6 | 0 | 7 | 0 | 5 | 20 | 5 |
| 2 | 10 | 415314 | 5 | -1 | -1 | 1 | 2 | 2 | 22 | 5 | 7 | 0 | 9 | 0 | 7 | 22 | 6 |
| 2 | 10 | 312111 | 8 | 16 | 25 | 3 | 20 | 7 | 17 | 3 | 0 | 0 | 6 | 0 | 4 | 18 | 5 |
| 2 | 10 | 314112 | 4 | -1 | -1 | 2 | 8 | 4 | 16 | 3 | 6 | 0 | 6 | 0 | 4 | 18 | 5 |
| 2 | 10 | 314113 | 5 | -1 | -1 | 1 | 2 | 2 | 16 | 3 | 6 | 0 | 7 | 0 | 4 | 18 | 4 |
| 2 | 10 | 412111 | 8 | 20 | 28 | 4 | 8 | 7 | 15 | 4 | 6 | 0 | 7 | 0 | 5 | 18 | 5 |
| 2 | 10 | 414111 | 4 | 24 | -1 | 3 | 4 | 2 | 16 | 4 | 6 | 0 | 7 | 0 | 5 | 19 | 5 |
| 2 | 10 | 525111 | 9 | -1 | -1 | 1 | 2 | 2 | 17 | 4 | 6 | 0 | 7 | 0 | 5 | 19 | 4 |

... PRESENT MOS A LITTLE OVER A YEAR AND CAME

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | FDC HCO : | 81 | 5 |
| MOS | :13E20 | FDC COMPUTER : | 82 | 4 |
| IN ARMY | : 3YR 6MO | | | |
| IN ARTILLERY | : 3YR 6 MOS | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT:N | | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: FDO: SAY MISN | FDO: REVIEW CALC | FDO: SAY ORDER | HCO: PLOT TGT | HCO: ORIENT RDP | HCO: READ RANGE | COMPUTER: CALC D Q | COMPUTER: SAY SET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 12 | 411111 | 4 | 20 | 28 | 3 | 30 | 20 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 2 12 | 515431 | 3 | 45 | 50 | 2 | 5 | 3 | 6 | 8 | 12 | 7 | 9 | 6 | 6 | 20 | 7 |
| 2 12 | 114111 | 4 | 0 | 0 | 4 | 60 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 515311 | 3 | 25 | 40 | 2 | 5 | 7 | 5 | 5 | 7 | 7 | 7 | 5 | 5 | 20 | 5 |
| 2 12 | 213111 | 4 | 20 | 25 | 4 | 50 | 8 | 5 | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 0 |
| 2 12 | 413111 | 4 | 25 | 30 | 2 | 25 | 5 | 7 | 3 | 0 | 4 | 6 | 4 | 0 | 16 | 4 |
| 2 12 | 311111 | 4 | 35 | 35 | 1 | 20 | 3 | 9 | 4 | 6 | 4 | 7 | 6 | 5 | 18 | 5 |
| 2 12 | 313111 | 3 | 30 | 28 | 2 | 20 | 3 | 7 | 5 | 7 | 5 | 7 | 5 | 5 | 18 | 6 |
| 2 12 | 515223 | 3 | 50 | 50 | 1 | 5 | 2 | 10 | 6 | 7 | 7 | 15 | 8 | 6 | 22 | 7 |
| 2 12 | 414112 | 3 | 20 | 30 | 4 | 25 | 7 | 5 | 3 | 0 | 4 | 6 | 4 | 0 | 0 | 4 |
| 2 12 | 535111 | 4 | 30 | 50 | 1 | 1 | 1 | 10 | 8 | 8 | 6 | 10 | 6 | 6 | 20 | 7 |
| 2 12 | 112111 | 4 | 0 | 0 | 6 | 60 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 514111 | 3 | 23 | 30 | 2 | 20 | 5 | 8 | 4 | 6 | 4 | 6 | 4 | 5 | 18 | 5 |
| 2 12 | 313112 | 3 | 20 | 30 | 2 | 10 | 6 | 7 | 3 | 0 | 4 | 7 | 5 | 0 | 0 | 5 |
| 2 12 | 315113 | 3 | 40 | 50 | 2 | 5 | 3 | 7 | 5 | 8 | 6 | 10 | 6 | 5 | 20 | 7 |
| 2 12 | 513111 | 3 | 35 | 45 | 2 | 15 | 3 | 8 | 4 | 7 | 5 | 7 | 5 | 5 | 17 | 6 |
| 2 12 | 123111 | 3 | 0 | 0 | 4 | 30 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 334231 | 3 | 25 | 35 | 2 | 15 | 3 | 7 | 4 | 7 | 5 | 7 | 5 | 5 | 18 | 5 |
| 2 12 | 113111 | 4 | 0 | 0 | 6 | 60 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 521111 | 3 | 20 | 40 | 1 | 5 | 3 | 7 | 5 | 7 | 5 | 7 | 6 | 5 | 20 | 7 |
| 2 12 | 113121 | 3 | 20 | 30 | 5 | 50 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 211111 | 3 | 10 | 25 | 5 | 60 | 8 | 6 | 3 | 0 | 4 | 0 | 0 | 4 | 0 | 4 |
| 2 12 | 224111 | 3 | 28 | 45 | 3 | 30 | 4 | 7 | 4 | 8 | 6 | 7 | 5 | 6 | 17 | 7 |
| 2 12 | 415314 | 3 | 40 | 60 | 1 | 1 | 1 | 10 | 6 | 10 | 6 | 10 | 9 | 7 | 25 | 7 |
| 2 12 | 312111 | 3 | 0 | 0 | 4 | 30 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 314112 | 3 | 20 | 40 | 3 | 20 | 3 | 7 | 3 | 6 | 4 | 6 | 4 | 4 | 16 | 4 |
| 2 12 | 314113 | 3 | 50 | 60 | 1 | 5 | 1 | 8 | 5 | 7 | 5 | 7 | 5 | 4 | 17 | 5 |
| 2 12 | 412111 | 3 | 20 | 30 | 4 | 40 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 414111 | 3 | 20 | 30 | 4 | 30 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 12 | 525111 | 3 | 35 | 45 | 1 | 5 | 1 | 7 | 5 | 7 | 6 | 7 | 5 | 7 | 19 | 7 |

I HAVE BEEN TACFIRE OPERATION SPECALIST, ALSO AS ADDITIONAL DUTY I HAVE BEEN BN SCHOOL, A & R AND TRG NCO. * ALTERNATED

DEMOGRAPHIC DATA

GRADE :E-5 · MOS :13E20 · IN ARMY : 4YR · IN ARTILLERY : 4YR

| | WHEN MO YR | HOW LONG YR MO |
|---|---|---|
| FDC NCO : | 79 | 1 |
| FDC COMPUTER : | 79 | 1 |

COMBAT :N
ARTIL. COMBAT:N WHEN

#SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS (UNSTIPULATED) | WALK (UNSTIPULATED) | LIFT BOXES (UNSTIPULATED) | OPEN LOCK (UNSTIPULATED) | CREW TASKS: FDO SAY MISN | FDO REVIEW CALC | FDO SAY ORDER | NCO PLOT TGT | NCO ORIENT RDP | NCO READ RANGE | COMPUTER CALC D D | COMPUTER SAY SET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 13 | 411111 | 8 | 20 | 40 | 3 | 8 | 3 | 20 | 0 | 7 | 0 | 9 | 8 | 10 | 30 | 7 |
| 2 13 | 515431 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 15 | 10 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 114111 | 8 | 25 | 45 | 4 | 5 | 8 | 20 | 10 | 0 | 0 | 11 | 12 | 10 | 25 | 7 |
| 2 13 | 515311 | 8 | 35 | 60 | 2 | 3 | 2 | 8 | 5 | 0 | 0 | 11 | 12 | 8 | 25 | 10 |
| 2 13 | 213111 | 8 | 25 | 35 | 3 | 5 | 4 | 12 | 0 | 0 | 0 | 9 | 12 | 7 | 25 | 7 |
| 2 13 | 413111 | 3 | 20 | 0 | 0 | 15 | 18 | 25 | 4 | 0 | 0 | 9 | 7 | 5 | 20 | 5 |
| 2 13 | 311111 | 8 | 25 | 28 | 15 | 25 | 20 | 10 | 0 | 0 | 0 | 9 | 6 | 9 | 25 | 9 |
| 2 13 | 313111 | 3 | 25 | 25 | 10 | 15 | 13 | 15 | 0 | 0 | 0 | 9 | 10 | 12 | 35 | 15 |
| 2 13 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 414112 | 8 | 25 | 40 | 5 | 10 | 7 | 15 | 10 | 10 | 5 | 14 | 12 | 15 | 25 | 10 |
| 2 13 | 535111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 7 | 10 | 6 | 11 | 17 | 10 | 30 | 10 |
| 2 13 | 112111 | 4 | 20 | 30 | 10 | 20 | 15 | 15 | 0 | 0 | 0 | 8 | 7 | 5 | 20 | 5 |
| 2 13 | 514111 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | 7 | 10 | 8 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 313112 | 3 | 20 | 40 | 2 | 10 | 8 | 20 | 10 | 7 | 5 | 14 | 7 | 7 | 35 | 12 |
| 2 13 | 315113 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 12 | 10 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 513111 | 8 | 30 | 40 | 15 | 20 | 10 | 15 | 0 | 0 | 0 | 11 | 12 | 10 | 30 | 7 |
| 2 13 | 123111 | 3 | 30 | 40 | 5 | 10 | 6 | 20 | 0 | 0 | 0 | 9 | 7 | 5 | 25 | 7 |
| 2 13 | 334231 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 113111 | 8 | 30 | 25 | 20 | 25 | 15 | 15 | 0 | 0 | 0 | 8 | 5 | 6 | 20 | 7 |
| 2 13 | 521111 | 8 | 30 | 30 | 15 | 20 | 20 | 20 | 0 | 0 | 0 | 9 | 7 | 5 | 25 | 7 |
| 2 13 | 113121 | 4 | 20 | 0 | 5 | 10 | 10 | 15 | 7 | 10 | 6 | 9 | 7 | 6 | 20 | 5 |
| 2 13 | 211111 | 2 | 20 | 0 | 4 | 5 | 10 | 15 | 0 | 0 | 0 | 7 | 7 | 5 | 20 | 6 |
| 2 13 | 224111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 415314 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 312111 | 8 | 25 | 30 | 4 | 3 | 20 | 12 | 7 | 10 | 6 | 9 | 7 | 5 | 30 | 7 |
| 2 13 | 314112 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 13 | 412111 | 5 | 20 | 25 | 6 | 10 | 10 | 15 | 0 | 0 | 0 | 11 | 9 | 6 | 20 | 6 |
| 2 13 | 414111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 7 | 10 | 6 | 9 | 7 | 5 | 30 | 10 |
| 2 13 | 525111 | 8 | 25 | 40 | 2 | -1 | -1 | 20 | 7 | 10 | 7 | 9 | 0 | 5 | 20 | 6 |

[illegible] FIRE CONTROL NCO AND SUPERVISED ALL PERSONELL THAT WORKS UNDER HE.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | FDC HCO : | 75 | 1 |
| MOS | :13E30 | FDC COMPUTER : | 76 | 4 |
| IN ARMY | :13YR | | | |
| IN ARTILLERY | : 7YR | | | |

| | | WHEN |
|---|---|---|
| COMBAT | :Y | 69 71 |
| ARTIL. COMBAT:N | | |

#SUPERVISED : 10

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| CREW RESP | SIMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: FDO: SAY MISN | FDO: REVIEW CALC | FDO: SAY ORDER | HCO: PLOT TGT | HCO: ORIENT RDP | HCO: READ RANGE | COMPUTER: CALC D Q | COMPUTER: SAY SET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 14 | 411111 | 0 | 20 | 0 | 3 | 30 | 10 | 10 | 0 | 0 | 7 | 0 | 0 | 5 | 20 | 5 |
| 2 14 | 515431 | 0 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 19 | 12 | 20 | 25 | 30 |
| 2 14 | 114111 | 0 | 0 | 35 | 3 | 20 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 14 | 515311 | 0 | 30 | 45 | -1 | -1 | -1 | 20 | 10 | 12 | 0 | 11 | 7 | 10 | 20 | 8 |
| 2 14 | 213111 | 4 | 0 | 25 | 3 | 20 | 2 | 5 | 0 | 0 | 0 | 9 | 7 | 7 | 18 | 7 |
| 2 14 | 413111 | 0 | 0 | 30 | 3 | 30 | 7 | 10 | 0 | 8 | 0 | 9 | 7 | 9 | 0 | 0 |
| 2 14 | 311111 | 0 | 0 | 0 | 4 | 60 | 8 | 5 | 0 | 0 | 0 | 11 | 9 | 10 | 20 | 8 |
| 2 14 | 313111 | 4 | 20 | 35 | 3 | 45 | 4 | 5 | 0 | 0 | 0 | 9 | 9 | 10 | 20 | 5 |
| 2 14 | 515223 | 0 | -1 | -1 | -1 | -1 | -1 | 10 | 4 | 7 | 5 | 9 | 5 | 8 | 20 | 10 |
| 2 14 | 414112 | 0 | 20 | 25 | 1 | -1 | -1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 10 |
| 2 14 | 535111 | 0 | 20 | 40 | 3 | 10 | -1 | 10 | 4 | 7 | 5 | 19 | 9 | 10 | 20 | 15 |
| 2 14 | 112111 | 4 | 0 | 0 | 4 | 60 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 14 | 514111 | 4 | 25 | 50 | 1 | 5 | 1 | 10 | 0 | 0 | 0 | 14 | 7 | 8 | 20 | 8 |
| 2 14 | 313112 | 4 | 17 | 22 | 1 | 10 | 1 | 10 | 4 | 7 | 5 | 11 | 7 | 5 | 17 | 5 |
| 2 14 | 315113 | 4 | 10 | 23 | -1 | -1 | -1 | -1 | 5 | 8 | 6 | 12 | 8 | 6 | 18 | 6 |
| 2 14 | 513111 | 4 | 0 | 0 | 3 | 50 | 4 | 10 | 7 | 0 | 0 | 14 | 10 | 15 | 25 | 8 |
| 2 14 | 123111 | 0 | 0 | 0 | 4 | 60 | 3 | 10 | 0 | 0 | 0 | 12 | 7 | 10 | 0 | 0 |
| 2 14 | 334231 | 0 | 25 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | -1 | 14 | 10 | 0 | 0 | 0 |
| 2 14 | 113111 | 0 | 20 | 40 | 4 | 90 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 14 | 521111 | 0 | 25 | 40 | 5 | 90 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 14 | 113121 | 0 | 25 | 35 | 4 | 65 | 4 | 10 | 0 | 0 | 0 | 13 | 0 | 10 | 0 | 0 |
| 2 14 | 211111 | 0 | 0 | 0 | 9 | 120 | 7 | 5 | 9 | 10 | 0 | 0 | 0 | 10 | 20 | 0 |
| 2 14 | 224111 | 0 | 30 | 60 | 1 | 10 | 1 | 10 | 7 | 10 | 0 | 12 | 0 | 10 | 20 | 8 |
| 2 14 | 415314 | 0 | 60 | 90 | -1 | -1 | -1 | 20 | 20 | 30 | 0 | 14 | 0 | 20 | 30 | 45 |
| 2 14 | 312111 | 4 | 0 | 0 | 3 | 45 | 5 | 10 | 0 | 0 | 0 | 14 | 12 | 15 | 20 | 10 |
| 2 14 | 314112 | 0 | 0 | 0 | 2 | 10 | 3 | 10 | 0 | 8 | 10 | 19 | 9 | 10 | 0 | 0 |
| 2 14 | 314113 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 20 | 10 |
| 2 14 | 412111 | 0 | 20 | 25 | 4 | 90 | 5 | 10 | 0 | 0 | 0 | 12 | 7 | 5 | 20 | 8 |
| 2 14 | 414111 | 4 | 60 | 120 | 9 | 120 | 8 | 5 | 0 | 0 | 0 | 12 | 7 | 10 | 25 | 20 |
| 2 14 | 525111 | 0 | 25 | 60 | 3 | 45 | 3 | 10 | 0 | 0 | 0 | 14 | 10 | 15 | 20 | 10 |

SUPPORTING BN FDC IN TARGETING AND ACCURACY OF LANDING A ROUND ON TARGET/ HE / NUC AND VARIOUS COMBINATIONS OF ROUNDS. VOICE AND COMMAND OPERATIONS FOR ENCYRPT MESSAGES.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO | : | |
| MOS | :13C10 | FDC COMPUTER | : 1 81 | 2 |
| IN ARMY | : 5YR 6MO | | | |
| IN ARTILLERY | : 2YR 6 | | | |

WHEN

COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D D | SAY SET |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 15 | 411111 | 5 | 30 | 45 | 5 | 40 | 7 | 10 | 0 | 10 | 0 | 0 | 0 | 9 | 0 | 0 |
| 2 15 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 114111 | 4 | 45 | 53 | 3 | 15 | 5 | 12 | 4 | 10 | 5 | 14 | 12 | 15 | 30 | 0 |
| 2 15 | 515311 | 5 | 67 | 120 | 3 | 10 | 5 | 15 | 5 | 10 | 6 | 13 | 6 | 15 | 33 | 0 |
| 2 15 | 213111 | 3 | 0 | 30 | 4 | 20 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 20 | 0 |
| 2 15 | 413111 | 4 | 0 | 0 | 6 | 20 | 7 | 10 | 0 | 10 | 0 | 17 | 12 | 9 | 23 | 0 |
| 2 15 | 311111 | 5 | 0 | 0 | 8 | 40 | 8 | 5 | 0 | 0 | 0 | 11 | 5 | 15 | 20 | 0 |
| 2 15 | 313111 | 3 | 0 | 0 | 7 | 20 | 5 | 10 | 0 | 0 | 0 | 12 | 0 | 15 | 20 | 0 |
| 2 15 | 515223 | 3 | 30 | 60 | 3 | 15 | 8 | 15 | 0 | -1 | 0 | -1 | 9 | -1 | -1 | 10 |
| 2 15 | 414112 | 5 | 0 | 30 | 4 | 22 | 6 | 7 | 0 | 0 | 0 | 12 | 7 | 12 | 25 | 0 |
| 2 15 | 535111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 112111 | 5 | 0 | 25 | 5 | 40 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 |
| 2 15 | 514111 | 3 | 34 | 40 | 4 | 15 | 6 | 12 | 8 | 10 | 6 | 17 | 11 | 9 | 30 | 6 |
| 2 15 | 313112 | 3 | 30 | 27 | 3 | 1 | 4 | 15 | 8 | 15 | 9 | 13 | 6 | 15 | 35 | 5 |
| 2 15 | 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 513111 | 4 | 19 | 33 | 6 | 20 | 7 | 10 | 0 | 10 | 0 | 11 | 5 | 10 | 23 | 0 |
| 2 15 | 123111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 334231 | 4 | -1 | -1 | -1 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 113111 | 5 | 0 | 0 | 9 | 40 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 15 | 521111 | 3 | 0 | 35 | 5 | 15 | 5 | 12 | 8 | 10 | 0 | 11 | 6 | 10 | 25 | 0 |
| 2 15 | 113121 | 5 | 0 | 40 | 5 | 30 | 7 | 9 | 6 | 15 | 12 | 11 | 9 | 18 | 33 | 0 |
| 2 15 | 211111 | 5 | 0 | 0 | 8 | 45 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 15 | 224111 | 3 | -1 | -1 | 3 | 10 | 3 | 12 | 0 | -1 | 0 | -1 | -1 | -1 | -1 | 0 |
| 2 15 | 415314 | 5 | -1 | -1 | 1 | 5 | 2 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 312111 | 3 | 0 | 30 | 4 | 20 | 6 | 10 | 0 | 10 | 0 | 11 | 6 | 6 | 20 | 0 |
| 2 15 | 314112 | 3 | 30 | 40 | 4 | 20 | 5 | 10 | 4 | -1 | 6 | 12 | 11 | 9 | 30 | 6 |
| 2 15 | 314113 | 4 | -1 | -1 | 1 | 10 | 3 | 12 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 15 | 412111 | 3 | 30 | 40 | 5 | 30 | 6 | 12 | 4 | 10 | 6 | 11 | 9 | 11 | 22 | 6 |
| 2 15 | 414111 | 5 | 0 | 0 | 7 | 45 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 15 | 525111 | 5 | -1 | -1 | 1 | 5 | 3 | 18 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

HEAVY MAINTENANCE ON VEHICLES, TRAINING FOR AN ARTEP, SUPPORTING STR POWER UP THE SHELTER, MAINTAIN HE CCU, SET UP, TURN DOWN THE NET ! MAINTAIN 5 TON GENERATOR. * YES

DEMOGRAPHIC DATA

| | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|
| GRADE :E-5 | FDC HCO : | | * |
| MOS :13C20 | FDC COMPUTER : | | * |
| IN ARMY : 5YR 6MO | | | |
| IN ARTILLERY : 4YR 6 | | | |
| WHEN | | | |
| COMBAT :N | | | |
| ARTIL. COMBAT:N | #SUPERVISED : 10 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP SYMP COMP CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 16 411111 4 | 60 | 60 | 3 | 7 | 10 | 6 | 5 | 10 | 0 | 8 | 5 | 8 | 50 | 10 |
| 2 16 515431 4 | -1 | -1 | -1 | -1 | 1 | 190 | 30 | 90 | 7 | 165 | 65 | 80 | 120 | 90 |
| 2 16 114111 4 | -1 | -1 | 2 | 3 | 5 | 20 | 6 | 40 | 0 | 30 | 20 | 10 | 40 | 10 |
| 2 16 515311 4 | -1 | -1 | -1 | 1 | 2 | 60 | 50 | 70 | 0 | 60 | 15 | 15 | 50 | 20 |
| 2 16 213111 4 | 25 | 65 | 2 | 4 | 5 | 10 | 10 | 30 | 0 | 15 | 8 | 10 | 30 | 0 |
| 2 16 413111 3 | 50 | 50 | 2 | 10 | 8 | 10 | 4 | 10 | 0 | 9 | 9 | 10 | 30 | 15 |
| 2 16 311111 3 | 45 | 60 | 2 | 5 | 5 | 10 | 4 | 15 | 2 | 10 | 5 | 6 | 20 | 10 |
| 2 16 313111 3 | 50 | 65 | 2 | 2 | 6 | 20 | 4 | 10 | 5 | 10 | 6 | 10 | 50 | 20 |
| 2 16 515223 4 | -1 | -1 | -1 | -1 | -1 | 95 | 25 | 165 | 30 | 150 | 65 | 40 | 85 | 40 |
| 2 16 414112 3 | -1 | 260 | -1 | -1 | 1 | 90 | 55 | 95 | 50 | 90 | 80 | 40 | 50 | 55 |
| 2 16 535111 4 | -1 | -1 | 1 | 1 | 1 | 65 | 65 | 130 | 30 | 120 | 55 | 90 | 120 | 70 |
| 2 15 112111 4 | 25 | 40 | 3 | 12 | 10 | 20 | 0 | 7 | 0 | 8 | 5 | 5 | 20 | 5 |
| 2 16 514111 3 | -1 | -1 | -1 | -1 | -1 | 75 | 12 | 20 | 10 | 25 | 40 | 80 | 60 | 35 |
| 2 16 313112 3 | 110 | 150 | 1 | 2 | 5 | 60 | 20 | 45 | 10 | 55 | 50 | 40 | 65 | 30 |
| 2 16 315113 4 | -1 | -1 | -1 | -1 | -1 | 120 | 40 | 65 | 25 | 125 | 60 | 100 | 180 | 50 |
| 2 16 513111 4 | -1 | -1 | -1 | -1 | 1 | 60 | 40 | 65 | 20 | 70 | 70 | 120 | 75 | 30 |
| 2 16 123111 4 | 35 | -1 | 3 | 5 | 1 | 60 | -1 | -1 | 5 | -1 | -1 | -1 | -1 | -1 |
| 2 16 334231 4 | -1 | -1 | -1 | -1 | -1 | 70 | 45 | 120 | 15 | 150 | 160 | 60 | 120 | 50 |
| 2 16 113111 4 | 55 | 65 | 2 | 4 | 5 | 50 | 0 | 0 | 0 | 7 | 6 | 6 | 25 | 6 |
| 2 16 521111 4 | -1 | -1 | -1 | -1 | -1 | 65 | 25 | 50 | 25 | 110 | 60 | 90 | 70 | 60 |
| 2 16 113121 4 | 45 | 75 | 2 | 5 | 5 | 55 | 20 | 40 | 30 | 55 | 50 | 45 | 60 | 40 |
| 2 16 211111 4 | 45 | 70 | 2 | 4 | 5 | 40 | 20 | 15 | 0 | 10 | 15 | 15 | 25 | 10 |
| 2 16 224111 4 | -1 | -1 | -1 | -1 | -1 | 70 | 40 | 45 | 7 | -1 | -1 | -1 | -1 | 15 |
| 2 16 415314 4 | -1 | -1 | -1 | -1 | -1 | -1 | 45 | -1 | 20 | -1 | -1 | -1 | -1 | 45 |
| 2 16 312111 4 | 70 | 80 | 2 | 4 | 4 | 60 | 20 | 20 | 10 | 25 | 20 | 15 | 40 | 10 |
| 2 16 314112 4 | -1 | -1 | -1 | -1 | -1 | 65 | 20 | 45 | 10 | 40 | 70 | 55 | 60 | 25 |
| 2 16 314113 4 | -1 | -1 | -1 | -1 | -1 | 60 | 20 | 40 | 10 | 80 | 40 | 40 | 55 | 15 |
| 2 16 412111 4 | 65 | 75 | 2 | 3 | 3 | 50 | 15 | 20 | 10 | 20 | 25 | 40 | 55 | 40 |
| 2 16 414111 4 | -1 | -1 | -1 | 2 | 2 | 75 | 20 | 35 | 15 | 40 | 40 | 40 | 60 | 15 |
| 2 16 525111 4 | -1 | -1 | -1 | -1 | -1 | 65 | 30 | -1 | 20 | -1 | -1 | -1 | -1 | 45 |

I HAVE BEEN A SUPERVISER FOR A FDC SECTION FOR THE PAST YEAR

| DEMOGRAPHIC DATA | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | FDC HCO : | 78 | |
| MOS | :13E20 | FDC COMPUTER : | 79 | |
| IN ARMY | : 4YR | | | |
| IN ARTILLERY | : 4YR | | | |
| | WHEN | | | |
| COMBAT | :0 | | | |
| ARTIL. COMBAT:0 | | #SUPERVISED : 10 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

## FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 20 | 411111 | 3 | 30 | 60 | 7 | 1 | 4 | 35 | 8 | 15 | 7 | 10 | 0 | 10 | 25 | 11 |
| 2 20 | 515031 | 4 | -1 | -1 | 4 | 1 | 2 | 60 | 7 | 15 | 11 | 20 | 10 | 15 | 40 | 18 |
| 2 20 | 114111 | 4 | 35 | 60 | 6 | 1 | 2 | 6 | 8 | 11 | 7 | 0 | 0 | 5 | 22 | 11 |
| 2 20 | 515311 | 4 | -1 | -1 | -1 | -1 | 2 | 30 | 10 | 15 | 13 | 15 | 0 | 13 | 40 | 10 |
| 2 20 | 213111 | 5 | 0 | 0 | 30 | 4 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 20 | 413111 | 4 | 0 | 0 | 20 | 5 | 8 | 10 | 0 | 0 | 0 | 8 | 0 | 7 | 20 | 0 |
| 2 20 | 311111 | 4 | 20 | 22 | 20 | 5 | 4 | 10 | 5 | 6 | 4 | 6 | 5 | 0 | 0 | 0 |
| 2 20 | 313111 | 3 | 0 | 0 | 4 | 7 | 8 | 13 | 0 | 0 | [illegible] | 0 | 0 | 0 | 0 | 0 |
| 2 20 | 515223 | 3 | -1 | -1 | -1 | -1 | -1 | 17 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 20 | 414112 | 3 | 30 | 40 | -1 | -1 | -1 | 11 | 7 | 10 | 8 | 12 | 4 | 6 | 30 | 6 |
| 2 20 | 575111 | 2 | -1 | -1 | -1 | -1 | -1 | 9 | 8 | -1 | 9 | -1 | 6 | 9 | 40 | 9 |
| 2 20 | 112111 | 3 | 0 | 0 | 3 | 10 | 80 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 20 | 514111 | 4 | 25 | 25 | 3 | 4 | 6 | 9 | 0 | 0 | 8 | 7 | 0 | 5 | 17 | 50 |
| 2 20 | 313112 | 4 | 26 | 30 | -1 | -1 | 4 | 16 | 0 | 0 | 6 | 8 | 0 | 0 | 0 | 0 |
| 2 20 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | 13 | 0 | 0 | 13 | 18 | 0 | 9 | 19 | 11 |
| 2 20 | 513111 | 4 | 20 | 25 | 2 | 8 | 7 | 9 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 2 20 | 123111 | 3 | 30 | 35 | 7 | 6 | 7 | 9 | 0 | 0 | 0 | 6 | 4 | 4 | 17 | 5 |
| 2 20 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | 9 | -1 | 0 | -1 | 8 | 0 | 7 | 20 | 7 |
| 2 20 | 113111 | 3 | 0 | 0 | 7 | 8 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 20 | 521111 | 4 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 20 | 113121 | 4 | 20 | 25 | 3 | 3 | 4 | 12 | 0 | 0 | 0 | 7 | 4 | 4 | 17 | 4 |
| 2 20 | 211111 | 4 | -1 | -1 | 7 | 4 | 4 | 9 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 20 | 224111 | 4 | 30 | 40 | 3 | 3 | 4 | 14 | 3 | 7 | 6 | 7 | 6 | 6 | 20 | 6 |
| 2 20 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 20 | 312111 | 4 | 0 | 0 | 1 | 2 | 4 | 10 | 4 | 7 | 6 | 0 | 0 | 6 | 20 | 6 |
| 2 20 | 314112 | 3 | -1 | -1 | -1 | -1 | 4 | 13 | 4 | 10 | 7 | 7 | 5 | 7 | 20 | 7 |
| 2 20 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | 17 | 6 | 13 | 13 | 10 | 6 | 10 | 30 | 7 |
| 2 20 | 412111 | 4 | 20 | 25 | 2 | 3 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 20 | 414111 | 3 | 30 | 35 | 2 | 2 | 3 | 13 | 5 | 11 | 9 | 9 | 5 | 9 | 20 | 9 |
| 2 20 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | 15 | 6 | 7 | 7 | 10 | 0 | 9 | 30 | 9 |

NOC MCO AND ORDERLY ROOM CLERK PRIOR TO TAKING OVER FDC SECTION

DEMOGRAPHIC DATA

| | | | WHEN | HOW LONG |
|---|---|---|---|---|
| | | | MO YR | YR MO |
| GRADE | :E-5 | FDC HCO : | | 0 0 |
| MOS | :13E | FDC COMPUTER : | | 0 0 |
| IN ARMY | :10YR | | | |
| IN ARTILLERY | : 1YR | | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT HDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 21 | 411111 | 3 | -1 | -1 | 1 | 30 | 5 | 20 | 8 | 12 | 6 | 11 | 7 | 5 | 35 | 6 |
| 2 | 21 | 515451 | 3 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 114111 | 4 | 25 | 30 | 2 | 3 | 4 | 12 | 3 | 0 | 0 | 6 | 4 | 0 | 20 | 0 |
| 2 | 21 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 213111 | 3 | 20 | 25 | 3 | 7 | 11 | 13 | 3 | 7 | 5 | 6 | 4 | 4 | 20 | 4 |
| 2 | 21 | 413111 | 3 | 30 | 30 | 2 | 1 | 5 | 20 | 5 | 8 | 5 | 10 | 6 | 4 | 22 | 999 |
| 2 | 21 | 311111 | 4 | 20 | 25 | 3 | 2 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 21 | 313111 | 4 | 20 | 25 | 2 | 2 | 8 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 21 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 414112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 7 | -1 | 8 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 535111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 112111 | 3 | 20 | 25 | 5 | 5 | 10 | 13 | 3 | 6 | 0 | 6 | 4 | 4 | 18 | 4 |
| 2 | 21 | 514111 | 4 | 40 | 50 | -1 | 2 | 4 | 20 | 5 | 10 | 5 | 10 | 6 | 5 | 25 | 5 |
| 2 | 21 | 313112 | 3 | 20 | 25 | 2 | 3 | 15 | 12 | 3 | 0 | 0 | 6 | 0 | 0 | 20 | 0 |
| 2 | 21 | 315113 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 513111 | 3 | 22 | 28 | 3 | 3 | 6 | 15 | 8 | 11 | 6 | 10 | 9 | 5 | 30 | 5 |
| 2 | 21 | 123111 | 3 | 25 | 30 | 3 | 4 | 7 | 14 | 4 | 8 | 5 | 10 | 8 | 5 | 25 | 7 |
| 2 | 21 | 334231 | 4 | 999 | 999 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 113111 | 4 | 25 | 30 | 2 | 3 | 4 | 12 | 3 | 0 | 0 | 6 | 4 | 0 | 20 | 0 |
| 2 | 21 | 521111 | 4 | 40 | 50 | -1 | 2 | 4 | 26 | 10 | 20 | 5 | 10 | 6 | 5 | 25 | 5 |
| 2 | 21 | 113121 | 3 | 20 | 25 | 3 | 7 | 11 | 13 | 3 | 7 | 5 | 6 | 4 | 4 | 20 | 4 |
| 2 | 21 | 211111 | 3 | 20 | 25 | 3 | 7 | 11 | 13 | 3 | 7 | 5 | 6 | 4 | 4 | 20 | 4 |
| 2 | 21 | 224111 | 3 | 30 | 40 | 2 | 2 | 7 | 15 | 6 | 12 | 8 | 12 | 10 | 7 | 30 | 7 |
| 2 | 21 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 21 | 312111 | 3 | 20 | 25 | 2 | 3 | 15 | 12 | 3 | 0 | 0 | 6 | 0 | 0 | 20 | 0 |
| 2 | 21 | 314112 | 3 | 23 | 28 | 2 | 2 | 6 | 15 | 8 | 12 | 7 | 10 | 9 | 5 | 27 | 6 |
| 2 | 21 | 314113 | 3 | 25 | 29 | 2 | 1 | 4 | 16 | 8 | 12 | 7 | 10 | 9 | 5 | 27 | 6 |
| 2 | 21 | 412111 | 3 | 25 | 35 | 1 | 28 | 4 | 18 | 7 | 11 | 5 | 10 | 6 | 4 | 30 | 5 |
| 2 | 21 | 414111 | 3 | -1 | -1 | 1 | 30 | 5 | 20 | 8 | 12 | 6 | 11 | 7 | 5 | 35 | 6 |
| 2 | 21 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

I HAVE BEEN SECTION CHIEF IN FDC FOR 4 MONTHS AND BEFORE THAT I WAS THE CHIEF COMPUTER

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO : | 80 | 5 |
| MOS | :13E20 | FDC COMPUTER : | 81 | 6 |
| IN ARMY | : 2YR | | | |
| IN ARTILLERY | : 2YR | | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 23 | 411111 | 3 | 25 | 30 | 3 | 2 | 4 | 10 | 4 | 10 | 0 | 8 | 8 | 4 | 20 | 10 |
| 2 23 | 515451 | 3 | -1 | -1 | 1 | 1 | 2 | 10 | 10 | -1 | 5 | 15 | 5 | 10 | 30 | 15 |
| 2 23 | 114111 | 3 | 25 | 25 | 3 | 2 | 5 | 10 | 0 | 8 | 0 | 7 | 4 | 4 | 0 | 5 |
| 2 23 | 515311 | 3 | -1 | -1 | 5 | 2 | 1 | 10 | 5 | 10 | 4 | 8 | 4 | 5 | 20 | 5 |
| 2 23 | 213111 | 3 | 10 | 25 | 2 | 2 | 3 | 10 | 3 | 10 | 0 | 6 | 0 | 4 | 20 | 5 |
| 2 23 | 413111 | 3 | 0 | 0 | 4 | 3 | 6 | 5 | 3 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| 2 23 | 311111 | 3 | 20 | 25 | 4 | 3 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 4 | 20 | 5 |
| 2 23 | 313111 | 3 | 20 | 25 | 4 | 3 | 4 | 5 | 4 | 8 | 0 | 8 | 4 | 5 | 20 | 5 |
| 2 23 | 515223 | 3 | -1 | -1 | -1 | 0.5 | 1 | 10 | 5 | 10 | 0 | 10 | 5 | 5 | 25 | 5 |
| 2 23 | 414[illegible] | 3 | 25 | 30 | 3 | 3 | 3 | 5 | 5 | 10 | 0 | 10 | 4 | 5 | 25 | 5 |
| 2 23 | 5351[illegible] | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 70 | -1 | 5 | 10 | 5 | 10 | 35 | 10 |
| 2 23 | 112111 | 3 | 20 | 30 | 3 | 2 | 6 | 5 | 4 | 0 | 0 | 8 | 0 | 0 | 18 | 5 |
| 2 23 | 514111 | 3 | 30 | 35 | 2 | 1 | 5 | 10 | 4 | 8 | 0 | 8 | 4 | 5 | 20 | 5 |
| 2 23 | 313112 | 3 | 20 | 30 | 2 | 1 | 5 | 10 | 10 | 10 | 4 | 9 | 4 | 6 | 25 | 6 |
| 2 23 | 315113 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 10 | 8 | 10 | 5 | 10 | 4 | 6 | 25 | 10 |
| 2 23 | 513111 | 3 | -1 | -1 | 1 | 1 | 2 | 15 | 5 | 10 | 5 | 8 | 4 | 5 | 20 | 5 |
| 2 23 | 123111 | 0 | -1 | 35 | -1 | 1 | 3 | 10 | 10 | -1 | 4 | 10 | 4 | 5 | 30 | 5 |
| 2 23 | 334231 | 0 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | -1 | 5 | 10 | 5 | 10 | 30 | 10 |
| 2 23 | 113111 | 0 | 20 | 25 | 5 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 |
| 2 23 | 521111 | 3 | 30 | -1 | 2 | 1 | 2 | 10 | 5 | 8 | 0 | 8 | 4 | 4 | 20 | 5 |
| 2 23 | 113121 | 3 | 30 | -1 | 2 | 1 | 2 | 10 | 5 | 8 | 4 | 8 | 4 | 5 | 25 | 8 |
| 2 23 | 211111 | 0 | 25 | 30 | 3 | 1.5 | 5 | 10 | 5 | 10 | 4 | 8 | 4 | 5 | 20 | 8 |
| 2 23 | 224111 | 0 | 35 | -1 | 2 | -1 | 1 | 15 | 10 | 15 | 5 | 10 | 4 | 7 | 30 | 7 |
| 2 23 | 415310 | 0 | -1 | -1 | -1 | -1 | -1 | 30 | 20 | -1 | 8 | 15 | 5 | 15 | 45 | 10 |
| 2 23 | 312111 | 3 | 30 | 40 | 2 | 1 | 5 | 10 | 10 | 10 | 6 | 10 | 6 | 7 | 25 | 8 |
| 2 23 | 314112 | 3 | 25 | -1 | 2 | 1 | 3 | 12 | 10 | 10 | 5 | 10 | 5 | 4 | 20 | 8 |
| 2 23 | 314113 | 0 | -1 | -1 | 1 | 0.5 | 2 | 15 | 15 | 15 | 8 | 10 | 7 | 5 | 25 | 6 |
| 2 23 | 412111 | 0 | 20 | 40 | 2 | 1 | 5 | 10 | 8 | 10 | 4 | 9 | 4 | 6 | 23 | 8 |
| 2 23 | 414111 | 0 | 25 | 30 | 3 | 2 | 5 | 10 | 8 | 10 | 4 | 10 | 4 | 6 | 20 | 8 |
| 2 23 | 525111 | 4 | -1 | -1 | -1 | -1 | 1 | 15 | 10 | 15 | 5 | 10 | 7 | 10 | 35 | 10 |

WORKING IN FDC IN KOREA AND THE USA, USING BOTH THE 198 AND 109A3 HOWITZERS,I HAVE LATELY BEEN WORKING AS COMPUTER FOR C 2/37 FA DURING FTX'S AND ALSO WAS COMPUTER DURING XM825 SMOKE TEST FOR THE U.S. ARMY FIELD ARTILLERY BOARD.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO : | | 2 |
| MOS | :13F10 | FDC COMPUTER : | | 6 |
| IN ARMY | : 2YR | | | |
| IN ARTILLERY | : 2YR | | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP CUMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 24 | 411111 | 4 | 20 | 0 | 4 | 10 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 24 | 515931 | 5 | 30 | 90 | 1 | 3 | 2 | 15 | 10 | 7 | 5 | 12 | 7 | 7 | 20 | 5 |
| 2 24 | 114111 | 4 | 17 | 0 | 5 | 12 | 5 | 10 | 0 | 0 | 0 | 7 | 4 | 4 | 17 | 0 |
| 2 24 | 515311 | 4 | 45 | -1 | 3 | 5 | 1 | 30 | 5 | 4 | 0 | 9 | 0 | 6 | 20 | 5 |
| 2 24 | 213111 | 4 | 0 | 25 | 5 | 12 | 7 | 10 | 0 | 0 | 0 | 8 | 5 | 0 | 17 | 0 |
| 2 24 | 413111 | 4 | 0 | 25 | 4 | 10 | 6 | 15 | 5 | 7 | 4 | 10 | 5 | 5 | 17 | 0 |
| 2 24 | 311111 | 4 | 0 | 25 | 5 | 15 | 5 | 12 | 3 | 0 | 0 | 12 | 6 | 5 | 20 | 5 |
| 2 24 | 313111 | 4 | 16 | 30 | 4.5 | 12 | 5 | 14 | 3 | 6 | 0 | 13 | 7 | 5 | 23 | 5 |
| 2 24 | 515223 | 4 | -1 | -1 | -1 | 3 | 1 | 30 | 7 | 7 | 5 | 15 | 12 | 8 | 30 | 7 |
| 2 24 | 414112 | 4 | 20 | 25 | 5 | 15 | 7 | 12 | 4 | 0 | 0 | 9 | 5 | 5 | 20 | 5 |
| 2 24 | 535111 | 4 | -1 | -1 | [illegible] | 5 | 1 | 30 | 5 | 7 | 5 | 15 | 7 | 7 | 27 | 5 |
| 2 24 | 112111 | 4 | 17 | 23 | 6 | 17 | 7 | 10 | 0 | 6 | 0 | 7 | 5 | 4 | 0 | 0 |
| 2 24 | 514111 | 4 | 25 | 25 | 4 | 11 | 5 | 13 | 4 | 0 | 0 | 10 | 5 | 0 | 17 | 0 |
| 2 24 | 313112 | 4 | 30 | 30 | 5 | 12 | 5 | 17 | 5 | 7 | 4 | 7 | 4 | 4 | 17 | 4 |
| 2 24 | 315113 | 4 | 60 | -1 | 1 | 5 | 3 | 25 | 6 | 8 | 6 | 12 | 10 | 6 | 30 | 6 |
| 2 24 | 513111 | 4 | 25 | 30 | 3 | 8 | 5 | 17 | 4 | 0 | 0 | 9 | 5 | 5 | 17 | 5 |
| 2 24 | 123111 | 4 | 20 | 25 | 6 | 15 | 6 | 12 | 4 | 7 | 5 | 7 | 5 | 5 | 17 | 5 |
| 2 24 | 334231 | 4 | 40 | -1 | 3 | 7 | 3 | 21 | 7 | 10 | 7 | 14 | 7 | 7 | 30 | 7 |
| 2 24 | 113111 | 4 | 17 | 23 | 5 | 14 | 6 | 11 | 3 | 6 | 4 | 7 | 5 | 4 | 17 | 4 |
| 2 24 | 521111 | 4 | 20 | 27 | 5 | 13 | 0 | 12 | 4 | 0 | 0 | 7 | 4 | 4 | 17 | 4 |
| 2 24 | 113121 | 4 | 20 | 25 | 5 | 10 | 6 | 15 | 3 | 6 | 0 | 7 | 4 | 0 | 0 | 0 |
| 2 24 | 211111 | 4 | 30 | 21 | 5 | 12 | 5 | 15 | 3 | 4 | 0 | 8 | 5 | 4 | 18 | 5 |
| 2 24 | 224111 | 4 | 25 | 27 | 4 | 12 | 5 | 17 | 4 | 7 | 5 | 9 | 5 | 5 | 18 | 5 |
| 2 24 | 415314 | 4 | -1 | -1 | 1 | 3 | 2 | 20 | 7 | 10 | 7 | 15 | 10 | 7 | 30 | 7 |
| 2 24 | 312111 | 4 | 26 | 25 | [illegible] | 10 | 6 | 12 | 4 | 6 | 0 | 7 | 4 | 0 | 17 | 4 |
| 2 24 | 314112 | 4 | 30 | 35 | 4 | 10 | 4 | 15 | 4 | 7 | 4 | 10 | 5 | 4 | 22 | 5 |
| 2 24 | 314113 | 4 | -1 | -1 | 1 | 4 | 1 | 25 | 5 | 9 | 7 | 15 | 7 | 7 | 30 | 8 |
| 2 24 | 412111 | 4 | 17 | 23 | 4 | 12 | 6 | 17 | 3 | 6 | 0 | 7 | 4 | 4 | 19 | 4 |
| 2 24 | 414111 | 4 | 25 | 30 | 4 | 10 | 0 | 13 | 4 | 6 | 4 | 8 | 6 | 0 | 17 | 4 |
| 2 24 | 525111 | 4 | -1 | -1 | 1 | 5 | 2 | 15 | 3 | 9 | 5 | 12 | 6 | 5 | 22 | 6 |

I WORKED IN AN FDC SECTION UNTIL I RECIEVED A PREGNANT. PROFILE,KEEPING ME FROM GOING TO THE FIELD. NOW I AM WORKING AS CLERK/ TYPIST IN THE S-3 SECTION.

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-4 | FDC NCO | : | 10 81 | 5 |
| MOS | :13F10 | FDC COMPUTER | : | 1 82 | 8 |
| IN ARMY | : 2YR 1MO | | | | |
| IN ARTILLERY | : 2YR 1 | | | | |

WHEN
COMBAT :N
ARTIL. CONBATIN     #SUPERVISED : 5

FIRE DIRECTION CENTER CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS: FDO | | | HCO | | | COMPUTER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT NDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 25 | 411111 | 8 | 25 | 35 | 1 | 2 | 1 | 8 | 4 | 0 | 0 | 7 | 7 | 5 | 0 | 0 |
| 2 25 | 515831 | 8 | -1 | -1 | -1 | 1 | -1 | 8 | 10 | 10 | 8 | 8 | 5 | 5 | 25 | 6 |
| 2 25 | 114111 | 5 | -1 | -1 | 1 | -1 | 1 | 12 | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 5 |
| 2 25 | 515311 | 5 | 25 | 25 | 1 | 1 | 1 | 10 | 7 | 6 | 0 | 10 | 10 | 5 | 0 | 7 |
| 2 25 | 213111 | 5 | -1 | -1 | 1 | 1 | 1 | 10 | 5 | 8 | 4 | 8 | 5 | 8 | 20 | 0 |
| 2 25 | 413111 | 5 | 25 | 25 | 1 | 1 | 2 | 10 | 0 | 7 | 0 | 6 | 5 | 5 | 0 | 5 |
| 2 25 | 311111 | 5 | 20 | 25 | 2 | 2 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 2 25 | 313111 | 5 | -1 | -1 | 1 | -1 | -1 | 15 | 4 | 7 | 4 | 8 | 8 | 12 | 0 | 10 |
| 2 25 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 20 | 20 | 25 | 15 | -1 | -1 | -1 | 30 | 15 |
| 2 25 | 414112 | 5 | 20 | 25 | 2 | 2 | 3 | 10 | 4 | 6 | 5 | 8 | 5 | 8 | 0 | 8 |
| 2 25 | 535111 | 5 | -1 | -1 | -1 | 1 | -1 | 15 | 15 | 20 | 15 | -1 | 15 | 15 | 30 | 18 |
| 2 25 | 112111 | 8 | 0 | 0 | 2 | 3 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 25 | 514111 | 8 | 21 | 0 | 1 | 1 | 5 | 10 | 4 | 8 | 4 | 6 | 0 | 0 | 0 | 4 |
| 2 25 | 313112 | 5 | -1 | -1 | -1 | -1 | -1 | 20 | 4 | 6 | 4 | 8 | 6 | 0 | 21 | 5 |
| 2 25 | 315113 | 5 | -1 | -1 | -1 | -1 | -1 | 20 | -1 | 25 | 20 | -1 | 10 | 10 | 30 | 7 |
| 2 25 | 513111 | 5 | 21 | 25 | 4 | 1 | 3 | 15 | 4 | 6 | 5 | 8 | 4 | 4 | 0 | 5 |
| 2 25 | 123111 | 5 | 22 | 30 | 1 | 2 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 |
| 2 25 | 334231 | 5 | -1 | -1 | -1 | -1 | -1 | 25 | -1 | 20 | -1 | 18 | 10 | -1 | 25 | 18 |
| 2 25 | 113111 | 5 | 20 | 25 | 4 | 2 | 3 | 10 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 2 25 | 521111 | 5 | 20 | 22 | 2 | 1 | 3 | 11 | 8 | 6 | 4 | 8 | 5 | 5 | 21 | 8 |
| 2 25 | 113121 | 5 | 21 | 26 | 2 | 1 | 3 | 11 | 4 | 6 | 4 | 8 | 6 | 8 | 18 | 5 |
| 2 25 | 211111 | 5 | 20 | 25 | 2 | 1 | 3 | 12 | 4 | 0 | 4 | 0 | 0 | 5 | 18 | 10 |
| 2 25 | 224111 | 8 | 22 | 22 | 1 | 1 | 3 | 16 | 6 | 9 | 5 | 10 | 8 | 8 | 20 | 6 |
| 2 25 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 35 | -1 | -1 | -1 | -1 | -1 | -1 | 40 | -1 |
| 2 25 | 312111 | 3 | 16 | 24 | 2 | 1 | 2 | 10 | 5 | 8 | 4 | 8 | 5 | 5 | 20 | 5 |
| 2 25 | 314112 | 2 | 22 | 23 | 2 | 1 | 2 | 10 | 6 | 6 | 5 | 8 | 6 | 5 | 20 | 5 |
| 2 25 | 314113 | 3 | 22 | 25 | 2 | 1 | 2 | 11 | -1 | 20 | -1 | 10 | 7 | 16 | 25 | 5 |
| 2 25 | 412111 | 5 | 21 | 25 | 2 | 2 | 3 | 15 | 6 | 0 | 5 | 9 | 0 | 5 | 0 | 5 |
| 2 25 | 414111 | 5 | 21 | 25 | 2 | 2 | 3 | 15 | 6 | 0 | 5 | 9 | 0 | 5 | 0 | 5 |
| 2 25 | 525111 | 8 | 16 | 23 | 1 | 1 | 3 | 16 | 8 | 0 | 5 | 10 | 6 | 6 | 20 | 5 |

FDC CHIEF/SIP HCO/A & R HCO AND CCC NCO. MY TIME IS SPENT IN ONE OF THESE AREA'S ALMOST ALL OF THE TIME! * 6-8 MONTHS

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | FDC HCO : | 77 | * |
| MOS | :13E30 | FDC COMPUTER : | 78 | 2 |
| IN ARMY | : 5YR | | | |
| IN ARTILLERY | : 5YR | | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 10

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 27 | 411111 | 4 | 17 | 25 | 5 | 3 | 6 | 8 | 3 | 6 | 4 | 7 | 0 | 5 | 20 | 4 |
| 2 27 | 515431 | 4 | 35 | 50 | 1 | [illegible] | 3 | 12 | 6 | 11 | 5 | 12 | 6 | 6 | 30 | 10 |
| 2 27 | 114111 | 4 | 20 | 25 | 4 | 3 | 5 | 7 | 0 | 7 | 0 | 6 | 0 | 4 | 19 | 4 |
| 2 27 | 515311 | 3 | 20 | 27 | 3 | 2 | 3 | 7 | 4 | 7 | 4 | 8 | 5 | 5 | 20 | 5 |
| 2 27 | 213111 | 4 | 17 | 23 | 5 | 4 | 6 | 7 | 0 | 0 | 0 | 6 | 0 | 0 | 17 | 0 |
| 2 27 | 413111 | 4 | 18 | 23 | 5 | 5 | 6 | 7 | 0 | 6 | 0 | 7 | 0 | 0 | 18 | 0 |
| 2 27 | 311111 | 4 | 17 | 23 | 4 | 5 | 6 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 20 | 0 |
| 2 27 | 313111 | 4 | 17 | 23 | 3 | 4 | 5 | 8 | 0 | 6 | 0 | 7 | 0 | 4 | 21 | 0 |
| 2 27 | 515223 | 4 | 30 | 30 | 2 | 2 | 3 | 9 | 4 | 9 | 4 | 10 | 5 | 6 | 30 | 7 |
| 2 27 | 414112 | 4 | 23 | 28 | 4 | 3 | 4 | 8 | 3 | 6 | 4 | 10 | 4 | 4 | 20 | 5 |
| 2 27 | 535111 | 4 | 25 | 31 | 3 | 3 | 3 | 9 | 4 | 12 | 5 | 10 | 5 | 6 | 23 | 7 |
| 2 27 | 112111 | 4 | 0 | 0 | 8 | 10 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 27 | 514111 | 4 | 24 | 30 | 4 | 4 | 3 | 9 | 4 | 7 | 5 | 10 | 4 | 5 | 20 | 6 |
| 2 27 | 313112 | 3 | 20 | 27 | 3 | 2 | 3 | 7 | 3 | 7 | 4 | 7 | 4 | 5 | 20 | 5 |
| 2 27 | 315113 | 4 | 30 | 35 | 2 | 2 | 3 | 9 | 4 | 8 | 4 | 9 | 5 | 6 | 28 | 6 |
| 2 27 | 515111 | 4 | 24 | 30 | 4 | 4 | 3 | 9 | 4 | 7 | 5 | 10 | 4 | 5 | 20 | 6 |
| 2 27 | 123111 | 4 | 20 | 28 | 4 | 5 | 6 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 17 | 0 |
| 2 27 | 334231 | 4 | 35 | 50 | 1 | 1 | 3 | 10 | 5 | 10 | 4 | 10 | 5 | 5 | 30 | 10 |
| 2 27 | 113111 | 4 | 0 | 0 | 7 | 6 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 27 | 521111 | 4 | 21 | 26 | 3 | 3 | 5 | 7 | 4 | 7 | 5 | 8 | 5 | 5 | 21 | 7 |
| 2 27 | 113121 | 4 | 0 | 23 | 5 | 4 | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 |
| 2 27 | 211111 | 4 | 17 | 21 | 5 | 4 | 6 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 17 | 0 |
| 2 27 | 224111 | 4 | 21 | 28 | 4 | 3 | 4 | 7 | 3 | 6 | 4 | 6 | 4 | 4 | 19 | 5 |
| 2 27 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | 10 |
| 2 27 | 312111 | 4 | 18 | 25 | 5 | 4 | 5 | 6 | 4 | 7 | 4 | 6 | 4 | 0 | 20 | 4 |
| 2 27 | 314112 | 4 | 22 | 27 | 4 | 4 | 4 | 7 | 5 | 8 | 5 | 6 | 6 | 4 | 22 | 4 |
| 2 27 | 314113 | 4 | 20 | 32 | 3 | 3 | 3 | 9 | 5 | 8 | 4 | 7 | 4 | 6 | 22 | 7 |
| 2 27 | 412111 | 4 | 16 | 25 | 5 | 4 | 5 | 6 | 4 | 7 | 4 | 6 | 4 | 0 | 20 | 4 |
| 2 27 | 414111 | 4 | 21 | 24 | 4 | 4 | 5 | 7 | 3 | 7 | 0 | 6 | 0 | 5 | 19 | 0 |
| 2 27 | 525111 | 4 | 28 | 32 | 2 | 3 | 2 | 8 | 6 | 9 | 4 | 10 | 5 | 5 | 22 | 6 |

NOV 81-FEB 82 HHB 13G FEB 82-NOV 82 OPN SGT

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | FDC HCO : | 72 | 3 |
| MOS | :13C4M | FDC COMPUTER : | 75 | 5 |
| IN ARMY | :15YR | | | |
| IN ARTILLERY | :15YR | | | |
| COMBAT | :Y 70 (WHEN) | | | |
| ARTIL. COMBAT:N | | #SUPERVISED :>50 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: FDO | | | HCO | | | COMPUTER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW NFSP | | SYMP COMP | CDN | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 | 28 | 411111 | 4 | 0 | 0 | 8 | 20 | 10 | 10 | 0 | 0 | 0 | 6 | 0 | 4 | 0 | 0 |
| 2 | 28 | 515431 | 4 | -1 | -1 | 1 | 5 | 3 | 10 | 4 | 10 | 4 | 15 | 0 | 5 | 20 | 5 |
| 2 | 28 | 114111 | 4 | 20 | 25 | 4 | 10 | 8 | 8 | 0 | 7 | 0 | 7 | 0 | 0 | 0 | 0 |
| 2 | 28 | 515311 | 4 | 120 | 60 | 3 | 5 | 6 | 10 | 6 | 10 | 5 | 15 | 5 | 5 | 25 | 5 |
| 2 | 28 | 213111 | 4 | 20 | 23 | 10 | 30 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 17 | 0 |
| 2 | 28 | 413111 | 3 | 0 | 0 | 15 | 30 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 20 | 0 |
| 2 | 28 | 311111 | 4 | 0 | 0 | 10 | 35 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 313111 | 3 | 0 | 0 | 10 | 30 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 515223 | 4 | -1 | -1 | 1 | 10 | 2 | 15 | 5 | 10 | 5 | 20 | 10 | 10 | 25 | 10 |
| 2 | 28 | 414112 | 3 | 25 | 30 | 4 | 20 | 6 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 18 | 0 |
| 2 | 28 | 535111 | 4 | 60 | 120 | 3 | 10 | 8 | 10 | 5 | 7 | 5 | 15 | 5 | 5 | 30 | 10 |
| 2 | 28 | 112111 | 4 | 0 | 0 | 10 | 35 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 514111 | 2 | 30 | 60 | 4 | 10 | 8 | 5 | 5 | 10 | 8 | 10 | 7 | 8 | 30 | 10 |
| 2 | 28 | 313112 | 4 | 30 | 40 | 4 | 15 | 8 | 5 | 0 | 0 | 0 | 8 | 5 | 5 | 20 | 5 |
| 2 | 28 | 315113 | 3 | 30 | 40 | 5 | 30 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 513111 | 4 | 20 | 30 | 8 | 30 | 8 | 5 | 4 | 8 | 5 | 10 | 0 | 5 | 25 | 5 |
| 2 | 28 | 123111 | 4 | 20 | 30 | 5 | 25 | 10 | 8 | 0 | 10 | 0 | 15 | 0 | 10 | 20 | 10 |
| 2 | 28 | 334231 | 3 | 45 | 60 | 4 | 15 | 8 | 5 | 5 | 10 | 5 | 10 | 8 | 10 | 45 | 15 |
| 2 | 28 | 113111 | 4 | 30 | 40 | 6 | 20 | 8 | 5 | 0 | 8 | 0 | 10 | 0 | 0 | 25 | 5 |
| 2 | 28 | 521111 | 4 | 20 | 30 | 6 | 20 | 6 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 113121 | 3 | 25 | 40 | 6 | 20 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 211111 | 4 | 0 | 0 | 10 | 40 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 224111 | 4 | 60 | 120 | 3 | 10 | 6 | 10 | 10 | 30 | 10 | 15 | 5 | 10 | 45 | 10 |
| 2 | 28 | 415314 | 2 | 300 | 300 | 1 | 5 | 3 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 2 | 28 | 312111 | 3 | 20 | 25 | 5 | 25 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 314112 | 3 | 30 | 60 | 4 | 20 | 6 | 10 | 5 | 10 | 4 | 15 | 5 | 0 | 25 | 10 |
| 2 | 28 | 314113 | 3 | -1 | -1 | 0.5 | 5 | 2 | 10 | 10 | 20 | 10 | 15 | 5 | 10 | 30 | 15 |
| 2 | 28 | 412111 | 3 | 25 | 50 | 5 | 20 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 28 | 414111 | 3 | 60 | 60 | 4 | 15 | 8 | 5 | 5 | 10 | 0 | 20 | 5 | 15 | 45 | 10 |
| 2 | 28 | 523111 | 3 | 60 | 120 | 4 | 10 | 6 | 5 | 10 | 30 | 10 | 20 | 5 | 10 | 50 | 10 |

RESPONSIBLE FOR THE SUPERVISION, TRAINING AND THE FUNCTION OF THE FDC

DEMOGRAPHIC DATA     WHEN   HOW LONG
NO YR   YR MO

GRADE :E-5    FDC HCO :    1
MOS :13F    FDC COMPUTER :
IN ARMY : 3YR
IN ARTILLERY : 3YR
WHEN
COMBAT :N
ARTIL. COMBAT:N    #SUPERVISED : 5

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | FDO | | | HCO | | | COMPUTER | | |
| CREW RESP SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | 15 | 20 | 4 | 45 | 10 | 5 | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 2 35 575111 | 3 | 50 | -1 | 1 | 5 | 2 | 10 | 10 | 12 | 10 | 15 | 7 | 7 | 25 | 10 |
| 2 35 414111 | 3 | 30 | 40 | 2 | 10 | 4 | 7 | 5 | 8 | 5 | 8 | 5 | 5 | 20 | 5 |
| 2 35 412111 | 3 | 20 | 30 | 3 | 20 | 7 | 7 | 5 | 7 | 4 | 7 | 5 | 0 | [illegible] | 5 |
| 2 35 314113 | 3 | 90 | 60 | 1 | 5 | 2 | 8 | 10 | 30 | 10 | 15 | 10 | 10 | 25 | 10 |
| 2 35 314112 | 3 | 45 | -1 | 1 | 5 | 2 | 10 | 10 | 15 | 10 | 20 | 15 | 15 | 30 | 10 |
| 2 35 312111 | 3 | 20 | 40 | 3 | 30 | 7 | 6 | 5 | 7 | 5 | 0 | 0 | 5 | 0 | 5 |
| 2 35 415310 | 3 | -1 | -1 | 1 | 2 | -1 | 15 | 10 | 20 | 10 | 20 | 15 | 20 | 40 | 10 |
| 2 35 224111 | 3 | 40 | 60 | 1 | 5 | 3 | 6 | 3 | 8 | 5 | 6 | 5 | 0 | 0 | 4 |
| 2 35 211111 | 3 | 20 | 30 | 2 | 20 | 6 | 5 | 4 | 8 | 4 | 0 | 0 | 0 | 0 | 5 |
| 2 35 113121 | 3 | 20 | 30 | 3 | 30 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 35 123111 | 3 | 20 | 30 | 3 | 30 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 35 334231 | 3 | 30 | 45 | 1 | 5 | 2 | 7 | 6 | 10 | 6 | 10 | 7 | 7 | 20 | 5 |
| 2 35 113111 | 3 | 20 | 25 | 3 | 30 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 35 521111 | 3 | 25 | 40 | 2 | 15 | 3 | 7 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 5 |
| 2 35 513111 | 3 | 25 | 35 | 2 | 15 | 4 | 6 | 5 | 10 | 5 | 10 | 5 | 5 | 20 | 5 |
| 2 35 315113 | 3 | -1 | -1 | -1 | 5 | -1 | 10 | 8 | 12 | 8 | 15 | 10 | 8 | 25 | 8 |
| 2 35 313112 | 3 | 30 | 40 | 2 | 15 | 3 | 5 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 5 |
| 2 35 514111 | 3 | 40 | -1 | 1 | 5 | 2 | 7 | 7 | 10 | 7 | 10 | 5 | 7 | 20 | 7 |
| 2 35 112111 | 3 | 0 | 25 | 3 | 35 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 35 535111 | 3 | -1 | -1 | -1 | 2 | -1 | 10 | 10 | 15 | 10 | 20 | 15 | 10 | 25 | 10 |
| 2 35 414112 | 3 | 30 | 50 | 1 | 5 | 2 | 7 | 5 | 7 | 5 | 7 | 5 | 5 | 20 | 5 |
| 2 35 515223 | 3 | -1 | -1 | 1 | -1 | -1 | 8 | 5 | 8 | 5 | 10 | 8 | 7 | 25 | 7 |
| 2 35 313111 | 3 | 30 | 45 | 3 | 15 | 5 | 6 | 8 | 10 | 8 | 10 | 7 | 8 | 30 | 8 |
| 2 35 311111 | 3 | 25 | 35 | 3 | 30 | 7 | 5 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 5 |
| 2 35 413111 | 3 | 25 | 40 | 3 | 15 | 4 | 6 | 5 | 7 | 5 | 8 | 5 | 5 | 30 | 5 |
| 2 35 213111 | 3 | 20 | 30 | 2 | 20 | 4 | 6 | 4 | 6 | 4 | 6 | 0 | 4 | 20 | 4 |
| 2 35 515311 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 5 | 7 | 5 | 8 | 5 | 5 | 25 | 5 |
| 2 35 114111 | 3 | 35 | 50 | 1 | 4 | -1 | 5 | 0 | 6 | 0 | 7 | 0 | 0 | 20 | 0 |
| 2 35 515431 | 3 | -1 | -1 | 1 | 5 | 7 | 7 | 6 | 10 | 6 | 10 | 8 | 8 | 40 | 8 |
| 2 35 411111 | 3 | 17 | 22 | 3 | 35 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

CHART OPERATOR TRUMP OVER SEFER WHEN CHIEF IS NOT AROUND

DEMOGRAPHIC DATA

| | | | | | |
|---|---|---|---|---|---|
| | | | WHEN MO YR | HOW LONG YR MO | |
| GRADE | :E-5 | FDC HCO | : 6 81 | 1 | |
| MOS | :13E20 | FDC COMPUTER | : | | |
| IN ARMY | : 4YR | | | | |
| IN ARTILLERY | : 4YR | | | | |
| | WHEN | | | | |
| COMBAT | :N | | | | |
| ARTIL. COMBAT | :N | #SUPERVISED | : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

## FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | FDO | | | HCO | | | COMPUTER | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D O | SAY SET |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | 15 | 20 | 2 | 30 | 10 | 7 | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 2 36 | 525111 | 3 | 40 | 120 | 2 | 25 | 6 | 9 | 10 | 30 | 12 | 15 | 9 | 14 | 45 | 25 |
| 2 36 | 414111 | 3 | 50 | 130 | 1 | 15 | 4 | 12 | 11 | 35 | 14 | 18 | 12 | 15 | 50 | 30 |
| 2 36 | 818113 | 3 | 80 | 188 | 2 | 20 | 8 | 18 | 18 | 38 | 18 | 26 | 18 | 18 | 80 | 28 |
| 2 36 | 314112 | 3 | 30 | 60 | 2 | 30 | 10 | 7 | 4 | 15 | 5 | 15 | 9 | 12 | 30 | 10 |
| 2 36 | 312111 | 3 | 30 | 60 | 2 | 30 | 10 | 7 | 4 | 15 | 5 | 15 | 9 | 12 | 30 | 10 |
| 2 36 | 415314 | 3 | 100 | 150 | 1 | 3 | 1 | 25 | 14 | 50 | 20 | -1 | -1 | -1 | -1 | 40 |
| 2 36 | 224111 | 3 | 30 | 60 | 2 | 30 | 10 | 7 | 4 | 15 | 5 | 15 | 9 | 12 | 30 | 10 |
| 2 36 | 211111 | 3 | 30 | 60 | 2 | 30 | 10 | 7 | 4 | 15 | 5 | 15 | 9 | 12 | 30 | 12 |
| 2 36 | 113121 | 3 | 30 | 63 | 2 | 35 | 8 | 9 | 6 | 20 | 7 | 17 | 10 | 13 | 32 | 12 |
| 2 36 | 123111 | 3 | 30 | 60 | 2 | 30 | 10 | 7 | 4 | 15 | 5 | 15 | 9 | 12 | 30 | 10 |
| 2 36 | 334231 | 3 | 65 | 140 | 1 | 7 | 2 | 15 | 15 | 45 | 25 | 25 | 20 | 20 | 65 | 35 |
| 2 36 | 113111 | 3 | 20 | 25 | 2 | 30 | 8 | 6 | 3 | 10 | 6 | 8 | 5 | 5 | 20 | 5 |
| 2 36 | 521111 | 3 | 30 | 100 | 2 | 28 | 8 | 8 | 9 | 9 | 6 | 10 | 12 | 12 | 30 | 20 |
| 2 36 | 513111 | 3 | 20 | 75 | 2 | 30 | 9 | 6 | 8 | 8 | 5 | 8 | 11 | 10 | 20 | 15 |
| 2 36 | 315113 | 3 | 40 | 120 | 2 | 25 | 6 | 9 | 10 | 30 | 12 | 15 | 9 | 14 | 45 | 25 |
| 2 36 | 313112 | 3 | 20 | 30 | 2 | 28 | 8 | 8 | 4 | 8 | 5 | 10 | 5 | 6 | 20 | 6 |
| 2 36 | 514111 | 3 | 30 | 50 | 1 | 25 | 6 | 8 | 8 | 12 | 6 | 12 | 6 | 10 | 30 | 9 |
| 2 36 | 112111 | 3 | 18 | 25 | 2 | 30 | 9 | 8 | 0 | 6 | 0 | 7 | 4 | 5 | 20 | 5 |
| 2 36 | 535111 | 3 | 40 | 120 | 2 | 25 | 6 | 9 | 10 | 30 | 12 | 15 | 9 | 14 | 45 | 25 |
| 2 36 | 414112 | 3 | 30 | 50 | 1 | 25 | 6 | 8 | 8 | 12 | 6 | 12 | 6 | 10 | 30 | 9 |
| 2 36 | 515223 | 3 | 40 | 120 | 2 | 25 | 6 | 9 | 10 | 32 | 13 | 15 | 9 | 14 | 45 | 30 |
| 2 36 | 313111 | 3 | 30 | 60 | 2 | 30 | 10 | 7 | 4 | 15 | 5 | 15 | 9 | 12 | 30 | 10 |
| 2 36 | 311111 | 3 | 30 | 50 | 2 | 30 | 10 | 8 | 3 | 7 | 5 | 8 | 5 | 6 | 25 | 10 |
| 2 36 | 413111 | 3 | 60 | 60 | 2 | 35 | 9 | 7 | 5 | 10 | 9 | 10 | 6 | 6 | 20 | 6 |
| 2 36 | 213111 | 3 | 40 | 62 | 2 | 35 | 9 | 7 | 4 | 8 | 5 | 7 | 5 | 7 | 25 | 6 |
| 2 36 | 515311 | 3 | 40 | 60 | 2 | 30 | 9 | 7 | 5 | 10 | 6 | 10 | 6 | 6 | 30 | 6 |
| 2 36 | 114111 | 3 | 60 | 125 | 1 | 25 | 8 | 7 | 4 | 10 | 6 | 10 | 6 | 6 | 40 | 7 |
| 2 36 | 515431 | 3 | -1 | -1 | -1 | 40 | 3 | 8 | 8 | 10 | 5 | -1 | -1 | -1 | 30 | 6 |
| 2 36 | 411111 | 3 | 20 | 30 | 2 | 28 | 9 | 8 | 3 | 7 | 5 | 8 | 5 | 6 | 20 | 6 |

```
        DEMOGRAPHIC DATA          WHEN    HOW LONG
                                  MO YR   YR MO
GRADE         :E-6        TANK COMMANDER  71   11
MOS           :19E3P      GUNNER    :          0  0
IN ARMY       :13YR 10MO  LOADER    :     70
IN ARTILLERY  :13YR 10    DRIVER    :     70
                   WHEN
COMBAT        :N
ARTIL. COMBAT:N        #SUPERVISED :>50
```

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 5 411111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 0 | 10 | 10 | 10 | 5 | 0 | 10 | 5 | 10 | 10 |
| 3 | 5 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 30 | 30 | 30 | 15 | 15 | 10 | 15 | 30 | 30 | 15 |
| 3 | 5 114111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 5 | 10 | 10 | 8 | 5 | 10 | 10 | 5 | 10 | 10 |
| 3 | 5 515311 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | 15 | 10 | 5 | 10 | 10 | 10 | 15 | 10 |
| 3 | 5 213111 | 9 | -1 | -1 | -1 | -1 | -1 | 40 | 0 | 10 | 6 | 0 | 3 | 10 | 0 | 3 | 10 | 8 |
| 3 | 5 413111 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 5 | 0 | 10 | 0 | 5 | 0 | 0 | 5 | 10 | 10 |
| 3 | 5 311111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 5 | 10 | 10 | 10 | 5 | 10 | 15 | 5 | 10 | 10 |
| 3 | 5 313111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 5 | 10 | 10 | 10 | 5 | 10 | 10 | 5 | 10 | 10 |
| 3 | 5 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 25 | 25 | 15 | 5 | 20 | 15 | -1 | -1 | 30 |
| 3 | 5 414112 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 10 | 10 | 15 | 10 | 10 | 10 | 10 | 5 | 15 | 10 |
| 3 | 5 535111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 30 | 30 | 10 | 10 | 15 | 15 | -1 | -1 | -1 |
| 3 | 5 112111 | 5 | 50 | 120 | 4 | 10 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 10 |
| 3 | 5 514111 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 10 | 15 | 15 | 10 | 10 | 15 | 20 | -1 | -1 | 15 |
| 3 | 5 313112 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 10 | 15 | 15 | 10 | 5 | 15 | 15 | -1 | -1 | 15 |
| 3 | 5 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 5 513111 | 5 | -1 | -1 | -1 | -1 | -1 | 40 | 10 | 15 | 15 | 10 | 10 | 10 | 15 | 10 | 15 | 10 |
| 3 | 5 123111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 10 | 30 | 10 | 10 | 5 | 15 | 15 | 10 | 15 | 10 |
| 3 | 5 334231 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 30 | 30 | 30 | 30 | 15 | 20 | 20 | 15 | 30 | 15 |
| 3 | 5 113111 | 5 | 30 | 40 | 2 | 5 | 5 | 30 | 5 | 0 | 10 | 0 | 5 | 10 | 10 | 5 | 10 | 0 |
| 3 | 5 521111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 5 113121 | 5 | 30 | 60 | -1 | -1 | -1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 8 |
| 3 | 5 211111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 5 | 10 | 6 | 8 | 5 | 12 | 14 | 5 | 10 | 8 |
| 3 | 5 224111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 5 415310 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 5 312111 | 5 | -1 | -1 | -1 | -1 | -1 | 40 | 5 | 10 | 10 | 10 | 5 | 12 | 15 | 5 | 10 | 8 |
| 3 | 5 314112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 5 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 5 412111 | 5 | -1 | -1 | -1 | -1 | -1 | 40 | 10 | 15 | 10 | 10 | 5 | 15 | 15 | 10 | 20 | 10 |
| 3 | 5 414111 | 5 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 25 | 25 | 15 | 15 | 20 | 20 | -1 | -1 | 15 |
| 3 | 5 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

PLATOON SGT OVER 10 PERSONEL ALSO COMPANY MASTER GUNNER

| DEMOGRAPHIC DATA | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 79 | 3 |
| MOS | :19E30C5 | GUNNER : | 78 | 1 |
| IN ARMY | : 9YR | LOADER : | | |
| IN ARTILLERY | : 9YR | DRIVER : | 73 | 6 |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED :>50 | | |

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 8 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 6 | 411111 | 3 | 85 | -1 | 1 | 3 | 2 | 10 | 6 | 10 | 12 | 8 | 7 | 12 | 9 | 2 | 15 | 8 |
| 3 6 | 515431 | 3 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 6 | 114111 | 3 | 0 | 0 | 4 | 5 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 515311 | 3 | -1 | -1 | 1 | 2 | 1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 6 | 213111 | 9 | 30 | 60 | 1 | 1 | 1 | 10 | 9 | 12 | 10 | 12 | 4 | 13 | 9 | 3 | 13 | 12 |
| 3 6 | 413111 | 3 | 0 | 0 | 3 | 3 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 311111 | 3 | 0 | 0 | 4 | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 313111 | 3 | 20 | 30 | 2 | 3 | 1 | 10 | 3 | 7 | 4 | 6 | 3 | 7 | 8 | 3 | 9 | 6 |
| 3 6 | 515223 | 3 | -1 | -1 | 1 | 1 | -1 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 6 | 414112 | 3 | 30 | 60 | 2 | 5 | 3 | 15 | 5 | 20 | 9 | 8 | 3 | 12 | 13 | 3 | 15 | 8 |
| 3 6 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 6 | 112111 | 3 | 0 | 0 | 4 | 7 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 514111 | 3 | 20 | 40 | 2 | 10 | 2 | 6 | 4 | 10 | 12 | 6 | 3 | 10 | 14 | 3 | 10 | 9 |
| 3 6 | 313112 | 3 | 0 | 0 | 3 | 8 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 315113 | 3 | 25 | 45 | 2 | 5 | 2 | 8 | 3 | 25 | 13 | 7 | 8 | 10 | 14 | 3 | 20 | 7 |
| 3 6 | 513111 | 3 | 0 | 0 | 2 | 11 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 123111 | 3 | 0 | 0 | 1 | 3 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 6 | 113111 | 3 | 0 | 0 | 3 | 9 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 521111 | 3 | 40 | 42 | 2 | 6 | 1 | 8 | 3 | 15 | 6 | 8 | 3 | 7 | 8 | 3 | 15 | 10 |
| 3 6 | 113121 | 3 | 0 | 0 | 3 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 211111 | 3 | 0 | 0 | 1.5 | 3 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 224111 | 3 | 0 | 0 | 3 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 415318 | 3 | -1 | -1 | -1 | -1 | -1 | 35 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 6 | 312111 | 3 | 30 | 35 | 1 | 1 | 1 | 15 | 4 | 25 | 6 | 12 | 3 | 11 | 15 | 3 | 30 | 12 |
| 3 6 | 314112 | 3 | 0 | 0 | 2 | 3 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 6 | 314113 | 3 | 0 | 0 | 1 | 3 | 1.5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| 3 6 | 412111 | 3 | 0 | 0 | 1.5 | 2.5 | 3 | 6.5 | 0 | 0 | 8 | 6 | 0 | 0 | 0 | 0 | 20 | 0 |
| 3 6 | 414111 | 3 | 0 | 0 | 2.5 | 3.5 | 1.5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 |
| 3 6 | 525111 | 3 | -1 | -1 | 1 | 1.5 | 1 | 15 | -1 | -1 | -1 | 0 | -1 | 0 | -1 | 0 | -1 | -1 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | TANK COMMANDER | 76 | 6 |
| MOS | :19E4YDR | GUNNER | 75 | 1 |
| IN ARMY | :13YR | LOADER | | |
| IN ARTILLERY | : 7YR | DRIVER | | |
| COMBAT (WHEN) | :Y 69 | | | |
| ARTIL. COMBAT | :N | | | |

#SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

ORDINARY TASKS

| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK |
|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | |
| 3 8 | 411111 | 0 | 0 | 0 | 4 | 30 | 5 | 30 |
| 3 8 | 515431 | 4 | -1 | -1 | 2 | 10 | 3 | 30 |
| 3 8 | 114111 | 4 | 30 | 30 | 3 | 15 | 5 | 6 |
| 3 8 | 515311 | 4 | -1 | -1 | 1 | 2 | 2 | 15 |
| 3 8 | 213111 | 0 | 0 | 0 | 4 | 15 | 5 | 15 |
| 3 8 | 413111 | 4 | 0 | 0 | 4 | 10 | 5 | 15 |
| 3 8 | 311111 | 0 | 0 | 60 | 4 | 10 | 9 | 15 |
| 3 8 | 313111 | 0 | 0 | 0 | 4 | 10 | 4 | 15 |
| 3 8 | 515223 | 0 | 30 | -1 | 1 | 2 | 1 | 15 |
| 3 8 | 414112 | 0 | 30 | 60 | 2 | 2 | 4 | 15 |
| 3 8 | 535111 | 0 | 60 | -1 | 1 | 1 | 2 | 15 |
| 3 8 | 112111 | 0 | 0 | 0 | 5 | 10 | 5 | 15 |
| 3 8 | 514111 | 0 | 0 | 0 | 5 | 10 | 4 | 15 |
| 3 6 | 315112 | 0 | 0 | 0 | 5 | 10 | 3 | 10 |
| 3 8 | 315113 | 4 | -1 | -1 | 1 | 1 | 1 | 15 |
| 3 8 | 513111 | 0 | 0 | 0 | 4 | 10 | 4 | 15 |
| 3 6 | 123111 | 0 | 0 | 0 | 3 | 10 | 4 | 15 |
| 3 8 | 334231 | 0 | 0 | 0 | 3 | 10 | 4 | 15 |
| 3 6 | 113111 | 0 | 0 | 0 | 4 | 10 | 5 | 15 |
| 3 8 | 521111 | 4 | 0 | 0 | 5 | 10 | 4 | 15 |
| 3 8 | 113121 | 0 | 0 | 0 | 4 | 10 | 4 | 15 |
| 3 8 | 211111 | 0 | 0 | 0 | 5 | 10 | 4 | 15 |
| 3 8 | 224111 | 4 | 0 | 0 | 4 | 5 | 4 | 15 |
| 3 8 | 415324 | 0 | -1 | -1 | -1 | 2 | -1 | 15 |
| 3 8 | 312111 | 4 | 0 | 0 | 4 | 10 | 4 | 15 |
| 3 8 | 314112 | 0 | 0 | 0 | 3 | 10 | 4 | 15 |
| 3 8 | 314113 | 4 | 0 | 0 | 3 | 10 | 4 | 15 |
| 3 8 | 412111 | 0 | 0 | 0 | 3 | 10 | 4 | 15 |
| 3 8 | 414111 | 0 | 0 | 0 | 3 | 3 | 2 | 30 |
| 3 8 | 525111 | 0 | -1 | -1 | -1 | 2 | -1 | 30 |

CREW TASKS

| SYMP COMP | TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 411111 | 3 | 0 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 515431 | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 5 | -1 | 10 |
| 114111 | 5 | 10 | 5 | 5 | 5 | 0 | 10 | 3 | 10 | 5 |
| 515311 | 5 | 10 | 5 | 5 | 10 | 10 | 10 | 5 | -1 | 15 |
| 213111 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 10 | 5 |
| 413111 | 0 | 0 | 5 | 0 | 5 | 0 | 10 | 5 | 10 | 5 |
| 311111 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 9 | 5 |
| 313111 | 3 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 9 | 5 |
| 515223 | 5 | 10 | 15 | 10 | 10 | 10 | 10 | 5 | 15 | 10 |
| 414112 | 5 | 10 | 10 | 10 | 10 | 10 | 15 | 5 | -1 | 10 |
| 535111 | 15 | 15 | 15 | 15 | 10 | 15 | 15 | 5 | -1 | 10 |
| 112111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 514111 | 5 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 9 | 0 |
| 315112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 315113 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 513111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 123111 | 3 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 5 |
| 334231 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 521111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 224111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 415324 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 312111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 314112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 5 |
| 314113 | 3 | 0 | 5 | 0 | 0 | 10 | 0 | 0 | 10 | 5 |
| 412111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 414111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 525111 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

TANK CMDR, SUPERVISOR OF 3-20 PEOPLE AND TOOK OVER AS PLT SERGEANT

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 10 82 | 3 |
| MOS | :19F30 | GUNNER | : 77 | 2 |
| IN ARMY | : 8YR | LOADER | : 76 | 1 |
| IN ARTILLERY | : 0YR | DRIVER | : 75 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 10 | 411111 | 3 | 20 | 25 | 2 | 15 | 3 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| 3 10 | 515431 | 1 | 45 | 30 | 1 | 1 | 1 | 60 | 10 | -1 | -1 | -1 | 15 | -1 | -1 | 25 | 20 | 10 |
| 3 10 | 114111 | 2 | 30 | 35 | 3 | 10 | 5 | 15 | 25 | 35 | 10 | 10 | 7 | 9 | 14 | 6 | 10 | 10 |
| 3 10 | 515311 | 2 | 40 | 35 | 1 | -1 | 2 | 35 | 7 | 9 | 8 | 7 | 8 | 9 | 10 | 7 | 8 | 8 |
| 3 10 | 213111 | 3 | 25 | 35 | 1 | -1 | -1 | -1 | 3 | 9 | 9 | 7 | 4 | 8 | 9 | 6 | 7 | 7 |
| 3 10 | 413111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 7 | 7 | 7 | 4 | 8 | 9 | 4 | 7 | 5 |
| 3 10 | 311111 | 4 | 25 | 35 | 2 | 20 | 1 | 20 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 5 |
| 3 10 | 313111 | 2 | 0 | 0 | 9 | 20 | 7 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 50 | 5 | 8 | 5 | 7 | 3 | 8 | 9 | 3 | 7 | 7 |
| 3 10 | 414112 | 4 | 30 | 50 | -1 | -1 | -1 | 35 | 0 | 0 | 0 | 0 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 10 | 535111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 112111 | 1 | 0 | 0 | 4 | 25 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 514111 | 1 | 25 | 30 | -1 | -1 | -1 | 35 | 3 | 7 | 5 | 6 | 3 | 9 | 9 | 5 | 7 | 6 |
| 3 10 | 313112 | 3 | -1 | -1 | -1 | -1 | -1 | 55 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 10 | 315113 | 1 | 20 | 25 | 9 | 7 | -1 | 10 | 3 | 7 | 5 | 6 | 2 | 8 | 8 | 3 | 6 | 5 |
| 3 10 | 513111 | 3 | 0 | 0 | 1 | 1 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 123111 | 2 | 0 | 0 | 1 | 5 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 334231 | 2 | 25 | 25 | 2 | 3 | 1 | 25 | -1 | -1 | -1 | -1 | 3 | 8 | 9 | 3 | 6 | 5 |
| 3 10 | 113111 | 3 | 0 | 0 | 2 | 5 | 1 | 30 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 0 |
| 3 10 | 521111 | 3 | 0 | 0 | 2 | 10 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 113121 | 3 | 0 | 0 | 2 | 5 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 211111 | 3 | 0 | 0 | 2 | 15 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 224111 | 3 | 0 | 0 | 1 | 10 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 413314 | 2 | -1 | -1 | -1 | -1 | -1 | 35 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 10 | 312111 | 3 | 0 | 0 | 2 | 5 | 2 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 314112 | 4 | 20 | 25 | -1 | -1 | -1 | 25 | 2 | 7 | 5 | 6 | 2 | 8 | 9 | 3 | 7 | 6 |
| 3 10 | 314113 | 4 | 20 | 25 | -1 | -1 | -1 | 5 | 3 | 7 | 6 | 6 | 2 | 8 | 9 | 2 | 7 | 6 |
| 3 10 | 412111 | 4 | 20 | 25 | 1.5 | 10 | 2 | 15 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 3 | 9 | 5 |
| 3 10 | 414111 | 3 | 0 | 0 | 999 | 999 | 999 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 10 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | 82 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

PLT SGT - MAINTAIN 5 M60A1 TANKS WITH A PLT OF APPROX 20 CREW MEMBERS.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 77 | 5 |
| MOS | :19F30 | GUNNER | : 75 | 1 |
| IN ARMY | :10YR | LOADER | : 73 | 2 |
| IN ARTILLERY | :10YR | DRIVER | : 73 | 2 |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW SYMP CON RESP COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 11 411111 3 | 0 | 0 | 4 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 3 11 515431 3 | -1 | -1 | 1 | 1 | 2 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 114111 3 | 20 | 30 | 1 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 6 |
| 3 11 515311 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 213111 3 | 0 | 0 | 3 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 413111 3 | 0 | 0 | 3 | 5 | 3 | 20 | 3 | 7 | 4 | 5 | 3 | 8 | 9 | 4 | 7 | 0 |
| 3 11 311111 3 | 25 | 35 | 2 | 5 | 5 | 30 | 0 | 0 | 0 | 0 | 3 | 8 | 10 | 3 | 7 | 0 |
| 3 11 313111 3 | 20 | 30 | 3 | 5 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 515223 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 414112 3 | 0 | 0 | 3 | 5 | 5 | 30 | 4 | 7 | 6 | 7 | 3 | 8 | 10 | 4 | 8 | 0 |
| 3 11 535111 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 112111 3 | 20 | 30 | 3 | 5 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 514111 3 | 20 | 30 | 3 | 5 | 3 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 8 | 0 |
| 3 11 313112 3 | 25 | 30 | 1 | 3 | 2 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 315113 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 513111 3 | 25 | 30 | 2 | 3 | 2 | 30 | 2 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 123111 3 | 0 | 0 | 3 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 334231 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 113111 3 | 0 | 0 | 5 | 10 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 521111 3 | 25 | 30 | 3 | 5 | 3 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 113121 3 | 0 | 0 | 2 | 3 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 211111 3 | 0 | 0 | 3 | 5 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 11 224111 3 | 25 | 30 | 3 | 5 | 3 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 415314 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 312111 3 | 25 | 30 | 3 | 5 | 3 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 314112 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 314113 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 11 412111 3 | 25 | 30 | 3 | 5 | 5 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 414111 3 | 25 | 30 | 3 | 5 | 3 | 30 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 0 |
| 3 11 525111 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

CAV. TANK SECTION SGT. , TANK COMMANDER

DEMOGRAPHIC DATA

| | | | WHEN GO YR | HOW LONG YR GO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | | 6 |
| MOS | :19E30 | GUNNER | : | 1 |
| IN ARMY | :10YR | LOADER | : | 1 |
| IN ARTILLERY | :10YR | DRIVER | : | 2 |

| | | WHEN |
|---|---|---|
| COMBAT | :N | |
| ARTIL. COMBAT | :N | |

#SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 13 | 411111 | 4 | 25 | 45 | 1 | 2 | 3 | 60 | 10 | 15 | 15 | 10 | 10 | 15 | 15 | 10 | 10 | 0 |
| 3 | 13 | 515451 | 3 | -1 | -1 | -1 | -1 | 1 | 999 | 25 | 30 | 20 | 20 | -1 | 25 | 25 | 0 | -1 | 15 |
| 3 | 13 | 114111 | 3 | 30 | 60 | 1 | 1 | 4 | 60 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 | 13 | 515311 | 4 | -1 | -1 | -1 | -1 | 1 | 999 | 10 | 15 | 10 | 12 | 10 | 20 | 15 | 0 | -1 | 10 |
| 3 | 13 | 213111 | 3 | 20 | 30 | 2 | 2 | 4 | 30 | 4 | 10 | 8 | 8 | 5 | 10 | 10 | 0 | 8 | 0 |
| 3 | 13 | 413111 | 4 | 25 | -1 | 1 | -1 | -1 | 45 | 6 | 12 | 10 | 10 | 8 | 12 | 15 | 0 | 10 | 0 |
| 3 | 13 | 311111 | 3 | 25 | 40 | 1 | 2 | 2 | 35 | 2 | 8 | 5 | 7 | 2.5 | 8 | 10 | 0 | 10 | 0 |
| 3 | 13 | 313111 | 3 | 30 | 40 | 1 | 2 | 1 | 40 | 2 | 8 | 5 | 7 | 3 | 8 | 10 | 0 | 10 | 0 |
| 3 | 13 | 515223 | 3 | 35 | 45 | -1 | -1 | -1 | 45 | 5 | 10 | 7 | 7 | 3 | 8 | 10 | 5 | 10 | 0 |
| 3 | 13 | 414112 | 3 | 30 | 45 | -1 | -1 | -1 | 45 | 2 | 8 | 5 | 7 | 3 | 8 | 10 | 0 | 10 | 0 |
| 3 | 13 | 535111 | 3 | 50 | -1 | -1 | -1 | -1 | 45 | 6 | 12 | 10 | 10 | 8 | 12 | 15 | 0 | -1 | 0 |
| 3 | 13 | 112111 | 0 | 0 | 0 | 2 | 2 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 13 | 514111 | 3 | 30 | 40 | 1 | 1 | 1 | 25 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 313112 | 3 | 30 | 40 | 1 | 1 | 1 | 25 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 50 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | -1 | 0 |
| 3 | 13 | 513111 | 3 | 30 | 50 | 1 | 1 | 1 | 40 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 10 | 0 |
| 3 | 13 | 123111 | 3 | 0 | 40 | 2 | 2 | 1 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 13 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | 50 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 113111 | 3 | 20 | 40 | 1 | 1 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 13 | 521111 | 3 | 30 | 40 | 1 | -1 | 1 | 30 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 123121 | 3 | 0 | 0 | 2 | 2 | 2 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 13 | 211111 | 3 | 20 | 30 | 2 | 2 | 2 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 13 | 224111 | 3 | 30 | 40 | 1 | 1 | 1 | 30 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 45 | 8 | 10 | 10 | 10 | 10 | 10 | 18 | 0 | 10 | 0 |
| 3 | 13 | 312111 | 3 | 25 | 40 | 1 | 1 | 1 | 25 | 5 | 7 | 8 | 5 | 5 | 10 | 10 | 0 | 10 | 0 |
| 3 | 13 | 314112 | 3 | 25 | 40 | 1 | 1 | 1 | 25 | 5 | 7 | 8 | 5 | 5 | 10 | 10 | 0 | 10 | 0 |
| 3 | 13 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 412111 | 3 | 30 | 40 | 1 | 1 | 1 | 30 | 6 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 414111 | 3 | 30 | 40 | 1 | 1 | 1 | 30 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |
| 3 | 13 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 8 | 10 | 9 | 8 | 8 | 11 | 12 | 0 | 8 | 0 |

TANK PLT SGT/MASTER GUNNER FOR AN ARMOR TANK UNIT

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | TANK COMMANDER | 77 | 6 |
| MOS | :19F3C5 | GUNNER : | 76 | 1 |
| IN ARMY | : 9YR | LOADER : | 74 | 1 |
| IN ARTILLERY | : 9YR | DRIVER : | 75 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | LOW CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 14 | 411111 0 | 30 | 40 | 2 | 15 | 5 | 60 | 3 | 10 | 5 | 7 | 5 | 10 | 10 | 3 | 8 | 8 |
| 3 14 | 515431 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 114111 0 | 45 | 60 | 1 | 15 | 3 | 10 | 5 | 10 | 8 | 8 | 5 | 12 | 14 | 5 | 15 | 12 |
| 3 14 | 515311 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 213111 0 | 45 | 60 | 1 | 15 | 5 | 60 | 5 | 15 | 12 | 16 | 5 | 12 | 14 | 7 | 15 | 12 |
| 3 14 | 413111 0 | 25 | 30 | 2 | 20 | 7 | 45 | 3 | 7 | 5 | 7 | 3 | 8 | 9 | 3 | 10 | 8 |
| 3 14 | 311111 0 | 20 | 40 | 3 | 30 | 10 | 40 | 3 | 10 | 5 | 7 | 10 | 10 | 10 | 3 | 8 | 8 |
| 3 14 | 313111 0 | 20 | 25 | 2 | 25 | 7 | 60 | 2 | 7 | 6 | 8 | 3 | 8 | 9 | 3 | 7 | 8 |
| 3 14 | 515223 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 414112 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 535111 4 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 112111 0 | 30 | 40 | 3 | 25 | 8 | 50 | 3 | 8 | 7 | 9 | 3 | 8 | 9 | 3 | 10 | 12 |
| 3 14 | 514111 0 | 20 | 30 | 3 | 30 | 10 | 45 | 3 | 10 | 6 | 8 | 3 | 8 | 10 | 3 | 8 | 8 |
| 3 14 | 313112 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 315113 3 | 30 | 60 | 2 | 10 | 5 | 60 | 3 | 10 | 6 | 8 | 3 | 8 | 9 | 3 | -1 | -1 |
| 3 14 | 513111 0 | 30 | 40 | 2 | 20 | 5 | 50 | 3 | 10 | 9 | 12 | 3 | 12 | 14 | 3 | 10 | 12 |
| 3 14 | 125111 3 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 334251 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 113111 0 | 20 | 30 | 3 | 25 | 7 | 45 | 3 | 10 | 9 | 12 | 3 | 12 | 14 | 3 | 10 | 8 |
| 3 14 | 521111 3 | 20 | 40 | 3 | 30 | 10 | 45 | 3 | 10 | 5 | 7 | 10 | 10 | 10 | 3 | 8 | 8 |
| 3 14 | 113121 0 | 45 | 60 | 1 | 15 | 3 | 60 | 4 | 10 | 9 | 12 | 3 | 10 | 14 | 3 | 10 | 8 |
| 3 14 | 211111 0 | 30 | 50 | 2 | 20 | 5 | 50 | 3 | 10 | 9 | 12 | 3 | 12 | 14 | 3 | 15 | 12 |
| 3 14 | 224111 3 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 415310 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 312111 3 | 30 | 45 | 2 | 20 | 5 | 45 | 3 | 15 | 9 | 12 | 3 | 12 | 14 | 3 | 10 | 12 |
| 3 14 | 314112 3 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 314113 3 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 14 | 412111 0 | 45 | 60 | 2 | 15 | 3 | 60 | 3 | 15 | 9 | 12 | 3 | 12 | 14 | 3 | 15 | 12 |
| 3 14 | 414111 3 | 60 | 60 | 2 | 15 | 3 | 60 | 4 | 20 | 12 | 16 | 4 | 18 | 21 | 4 | 15 | 12 |
| 3 14 | 525111 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

TANK PLT SGT AND MASTER GUNNER FOR MY COMPANY

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 76 | 5 |
| MOS | :19E30 | GUNNER | : 75 | 1 |
| IN ARMY | : 8YR 6MO | LOADER | : 74 | 1 |
| IN ARTILLERY | : 8YR 6 | DRIVER | : 74 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | SYMP COMP | RESP | CON | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: WALK | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | CREW TASKS: TANK COMMANDER: RANGE | CREW TASKS: TANK COMMANDER: DEP LAY | CREW TASKS: TANK COMMANDER: ISSUE SUBSQ CMD | CREW TASKS: GUNNER: IDENT TGT | CREW TASKS: GUNNER: AIM FIRE | CREW TASKS: GUNNER: APPLY CORR | CREW TASKS: LOADER: ARM | CREW TASKS: LOADER: LOAD ARM | CREW TASKS: DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 15 | 411111 | 3 | 20 | 60 | 4 | 20 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 15 | 515431 | 3 | -1 | -1 | -1 | 5 | -1 | 30 | 9 | 10 | 20 | 10 | 9 | 20 | 20 | -1 | -1 | 10 |
| 3 | 15 | 114111 | 3 | 20 | 30 | 4 | 10 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 0 |
| 3 | 15 | 515311 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | 15 | 20 | 10 | 5 | 10 | 15 | -1 | -1 | 10 |
| 3 | 15 | 213111 | 3 | 25 | 60 | 3 | 20 | 4 | 10 | 3 | 0 | 7 | 10 | 0 | 15 | 15 | 5 | 15 | 6 |
| 3 | 15 | 413111 | 3 | 35 | 60 | 3 | 20 | 3 | 15 | 6 | 10 | 15 | 7 | 7 | 15 | 10 | 5 | 10 | 0 |
| 3 | 15 | 311111 | 3 | 30 | 60 | 3 | 20 | 4 | 15 | 5 | 7 | 10 | 10 | 5 | 10 | 10 | 3 | 10 | 0 |
| 3 | 15 | 313111 | 4 | 20 | 60 | 3 | 20 | 4 | 15 | 6 | 7 | 10 | 7 | 6 | 10 | 10 | 5 | 10 | 7 |
| 3 | 15 | 515223 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | 10 | 20 | 10 | 7 | 10 | 20 | -1 | -1 | 10 |
| 3 | 15 | 414112 | 3 | 20 | 60 | 2 | 20 | 3 | 15 | 5 | 10 | 20 | 10 | 5 | 10 | 10 | 5 | 10 | 5 |
| 3 | 15 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 15 | 112111 | 4 | 0 | 0 | 3 | 40 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 15 | 514111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 10 | 10 | 10 | 5 | 10 | 10 | 5 | 10 | 5 |
| 3 | 15 | 313112 | 3 | 20 | 40 | 3 | 20 | 3 | 15 | 5 | 10 | 20 | 10 | 5 | 10 | 10 | 5 | 15 | 5 |
| 3 | 15 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 7 | 10 | 20 | 10 | 10 | 10 | 15 | 5 | 15 | 10 |
| 3 | 15 | 513111 | 3 | 30 | 40 | 3 | 20 | 3 | 15 | 5 | 10 | 15 | 10 | 5 | 10 | 15 | 5 | 10 | 0 |
| 3 | 15 | 123111 | 3 | 20 | 40 | 3 | 20 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 10 |
| 3 | 15 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 15 | 113111 | 3 | 0 | 0 | 4 | 30 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 15 | 521111 | 3 | 20 | 60 | 3 | 20 | 3 | 15 | 10 | 10 | 20 | 10 | 10 | 10 | 15 | 10 | 15 | 10 |
| 3 | 15 | 113121 | 3 | 0 | 0 | 3 | 30 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 0 |
| 3 | 15 | 211111 | 3 | 0 | 0 | 5 | 40 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 15 | 224111 | 3 | 20 | 60 | 3 | 20 | 3 | 15 | 5 | 10 | 20 | 15 | 5 | 10 | 15 | 5 | 10 | 5 |
| 3 | 15 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 15 | 312111 | 3 | 20 | 60 | 3 | 30 | 4 | 15 | 5 | 10 | 15 | 10 | 5 | 10 | 15 | 5 | 10 | 5 |
| 3 | 15 | 314112 | 3 | 20 | 60 | 3 | 20 | 3 | 15 | 5 | 10 | 20 | 10 | 5 | 10 | 10 | 5 | 10 | 5 |
| 3 | 15 | 314113 | 3 | 30 | 60 | 3 | 20 | 5 | 15 | 5 | 10 | 20 | 10 | 5 | 10 | 20 | 5 | 15 | 5 |
| 3 | 15 | 412111 | 3 | 0 | 0 | 3 | 20 | 3 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 15 | 414111 | 3 | 0 | 0 | 3 | 20 | 3 | 15 | 5 | 10 | 20 | 10 | 5 | 10 | 10 | 5 | 15 | 5 |
| 3 | 15 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

PLT SGT, SECTION SGT TANK COMMANDER

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | : | 6 |
| MOS | :19E | GUNNER | : 74 | 1 |
| IN ARMY | : 8YR | LOADER | : | |
| IN ARTILLERY | : 8YR | DRIVER | : | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 17 | 411111 | 2 | 17 | 25 | 2 | 20 | 20 | 7 | 5 | 10 | 4 | 8 | 5 | 12 | 14 | 3 | 0 | 7 |
| 3 | 17 | 515451 | 2 | 30 | 40 | -1 | -1 | 1 | 20 | 10 | 15 | 7 | 8 | 6 | 12 | 14 | 0 | 10 | 8 |
| 3 | 17 | 114111 | 3 | 0 | 0 | 3 | 20 | 15 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 515311 | 2 | 40 | -1 | 1 | 3 | -1 | 5 | 5 | 15 | 12 | 8 | 3 | 12 | 14 | 3 | 10 | 8 |
| 3 | 17 | 213111 | 2 | 25 | 30 | 3 | 25 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 | 17 | 413111 | 2 | 17 | 21 | 3 | 25 | 10 | 2 | 2 | 7 | 4 | 8 | 2 | 8 | 9 | 2 | 7 | 6 |
| 3 | 17 | 311111 | 3 | 0 | 0 | 4 | 25 | 10 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| 3 | 17 | 313111 | 2 | 0 | 0 | 3 | 20 | 10 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| 3 | 17 | 515223 | 2 | -1 | -1 | -1 | -1 | -1 | 8 | 5 | 15 | 10 | 8 | 5 | 12 | 14 | 5 | -1 | 8 |
| 3 | 17 | 414112 | 2 | 20 | 30 | 2 | 3 | -1 | 6 | 5 | 10 | 6 | 8 | 5 | 12 | 9 | 2 | 10 | 7 |
| 3 | 17 | 535111 | 2 | -1 | -1 | 0.5 | 2 | -1 | 6 | 5 | 10 | -1 | 8 | 5 | 12 | 14 | 5 | -1 | 8 |
| 3 | 17 | 112111 | 3 | 0 | 0 | 5 | 30 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 514111 | 2 | 17 | 21 | 3 | 10 | 5 | 3 | 3 | 7 | 5 | 6 | 3 | 7 | 8 | 3 | 6 | 5 |
| 3 | 17 | 313112 | 2 | 0 | 0 | 10 | 25 | 10 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| 3 | 17 | 315113 | 2 | -1 | -1 | -1 | -1 | -1 | 3 | 2 | 6 | 4 | 5 | 2 | 7 | 8 | 2 | 10 | 8 |
| 3 | 17 | 513111 | 2 | 18 | 23 | 2 | 5 | 5 | 3 | 0 | 8 | 6 | 7 | 0 | 9 | 10 | 0 | 10 | 7 |
| 3 | 17 | 123111 | 2 | 0 | 0 | 5 | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 334231 | 2 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | 15 | -1 | 12 | 3 | 18 | 21 | 3 | -1 | 12 |
| 3 | 17 | 113111 | 2 | 0 | 0 | 5 | 10 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 521111 | 2 | 30 | 45 | 2 | 2 | -1 | 3 | 3 | 8 | 5 | 8 | 3 | 7 | 10 | 3 | 6 | 5 |
| 3 | 17 | 113121 | 8 | 0 | 0 | 5 | 15 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 211111 | 3 | 0 | 0 | 10 | 25 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 224111 | 2 | 17 | 22 | 3 | 5 | 2 | 3 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 6 |
| 3 | 17 | 415310 | 2 | 3 | 45 | 1 | 2 | -1 | 6 | 5 | 10 | 6 | 8 | 5 | 12 | 15 | 5 | 15 | 8 |
| 3 | 17 | 312111 | 2 | 0 | 0 | 5 | 15 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 314112 | 2 | 30 | 35 | 3 | 5 | 2 | 6 | 6 | 10 | 6 | 8 | 6 | 12 | 14 | 6 | 7 | 6 |
| 3 | 17 | 314113 | 2 | -1 | -1 | -1 | -1 | -1 | 6 | 6 | 12 | 15 | 10 | 6 | 12 | 15 | 6 | -1 | 10 |
| 3 | 17 | 412111 | 2 | 0 | 0 | 5 | 25 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 17 | 414111 | 2 | 30 | 40 | 2 | 5 | 2 | 3 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 17 | 525111 | 1 | -1 | -1 | -1 | -1 | -1 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

INSTRUCTOR AT AN NCO ACADEMY. INSTRUCT BASIC NON COMMISIONED OFFICERS COURSE 19ECMF.

DEMOGRAPHIC DATA

| | | | WHEN HD YR | HOW LONG YR HD |
|---|---|---|---|---|
| GRADE | :E-7 | TANK COMMANDER | | 5 6 |
| MOS | :19E4H | GUNNER | : | 2 |
| IN ARMY | :13YR 6MO | LOADER | : | |
| IN ARTILLERY | : 7YR 6 | DRIVER | : | |
| | WHEN | | | |
| COMBAT | :Y 68 69 | | | |
| ARTIL. COMBAT:N | | #SUPERVISED : 50 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

M60 TANK CREW

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 18 | 411111 | 0 | 25 | 30 | 2 | 15 | 10 | 30 | 6 | 10 | 10 | 9 | 5 | 8 | 11 | 4 | 0 | 5 |
| 3 18 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 114111 | 5 | 18 | 23 | 4 | 15 | 12 | 25 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 6 |
| 3 18 | 515311 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 213111 | 4 | 23 | 27 | 3 | 16 | 14 | 23 | 6 | 10 | 8 | 9 | 5 | 10 | 11 | 5 | 10 | 5 |
| 3 18 | 413111 | 9 | 17 | 22 | 3 | 18 | 13 | 25 | 4 | 7 | 4 | 6 | 2 | 7 | 9 | 0 | 7 | 0 |
| 3 18 | 311111 | 4 | 16 | 21 | 3 | 18 | 15 | 20 | 2 | 6 | 4 | 5 | 2 | 7 | 8 | 0 | 6 | 0 |
| 3 18 | 313111 | 5 | 0 | 0 | 3 | 18 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 515223 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 414112 | 4 | 21 | 26 | 3 | 15 | 12 | 26 | 5 | 10 | 8 | 9 | 2 | 10 | 11 | 0 | 7 | 0 |
| 3 18 | 535111 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 112111 | 0 | 0 | 0 | 3 | 18 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 514111 | 4 | 20 | 25 | 3 | 15 | 10 | 25 | 4 | 9 | 7 | 8 | 0 | 9 | 10 | 0 | 7 | 0 |
| 3 18 | 313112 | 4 | 20 | 24 | 3 | 15 | 13 | 23 | 5 | 8 | 6 | 7 | 0 | 9 | 10 | 0 | 7 | 0 |
| 3 18 | 315113 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 513111 | 0 | 18 | 23 | 3 | 17 | 14 | 22 | 3 | 8 | 6 | 7 | 0 | 9 | 10 | 0 | 8 | 0 |
| 3 18 | 123111 | 4 | 0 | 0 | 3 | 18 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 334231 | 4 | 21 | 24 | 3 | 16 | 13 | 24 | 5 | 9 | 8 | 9 | 0 | 11 | 12 | 0 | 7 | 0 |
| 3 18 | 113111 | 0 | 0 | 0 | 3 | 18 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 521111 | 0 | 16 | 21 | 3 | 18 | 12 | 22 | 4 | 9 | 7 | 8 | 0 | 9 | 10 | 0 | 6 | 0 |
| 3 18 | 113121 | 0 | 0 | 0 | 3 | 18 | 13 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 211111 | 0 | 0 | 0 | 3 | 18 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 224111 | 0 | 19 | 24 | 3 | 17 | 13 | 23 | 4 | 9 | 7 | 8 | 0 | 10 | 11 | 0 | 7 | 0 |
| 3 18 | 415314 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 312111 | 0 | 0 | 0 | 3 | 18 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 314112 | 0 | 18 | 23 | 3 | 17 | 12 | 23 | 3 | 8 | 6 | 7 | 0 | 9 | 10 | 0 | 7 | 0 |
| 3 18 | 314113 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 18 | 412111 | 0 | 17 | 22 | 3 | 17 | 14 | 23 | 3 | 7 | 5 | 6 | 0 | 8 | 9 | 0 | 7 | 0 |
| 3 18 | 414111 | 0 | 0 | 0 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 18 | 525111 | 0 | 18 | 23 | 3 | 17 | 12 | 23 | 5 | 8 | 6 | 7 | 0 | 9 | 10 | 0 | 8 | 0 |

P/T SERGEANT 6 MONTHS, BN MASTER GUNNER 6 MONTHS

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER : | 76 | 6 |
| MOS | :19E3C5 | GUNNER : | 74 | 1 |
| IN ARMY | : 9YR | LOADER : | 73 | 1 |
| IN ARTILLERY | : 9YR | DRIVER : | | |

| | WHEN |
|---|---|
| COMBAT | :N |
| ARTIL. COMBAT | :N |

#SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP | COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 19 | 411111 | 3 | 25 | 25 | 20 | 15 | 10 | 15 | 5 | 10 | 5 | 5 | 6 | 12 | 14 | 2 | 10 | 5 |
| 3 | 19 | 515431 | 3 | -1 | 40 | 5 | 5 | 10 | 20 | -1 | 15 | 9 | -1 | 5 | 15 | 10 | 3 | -1 | 6 |
| 3 | 19 | 114111 | 0 | 20 | 30 | 15 | 20 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 | 19 | 515311 | 3 | 30 | 40 | 15 | 7 | 9 | 15 | 6 | 6 | 4 | 0 | 4 | 7 | 9 | 0 | 9 | 6 |
| 3 | 19 | 213111 | 0 | 20 | 30 | 15 | 30 | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 | 19 | 413111 | 3 | 17 | 25 | 15 | 25 | 10 | 9 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 | 19 | 311111 | 4 | 0 | 0 | 20 | 60 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 313111 | 3 | 22 | 26 | 15 | 39 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 515223 | 3 | -1 | -1 | 2 | 5 | 5 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 19 | 414112 | 3 | 30 | 40 | 10 | 15 | 5 | 10 | 5 | 7 | 6 | 6 | 3 | 8 | 9 | 2 | 10 | 10 |
| 3 | 19 | 535111 | 3 | 40 | 40 | 3 | 4 | 4 | 20 | 9 | 7 | 9 | 7 | 4 | 9 | 9 | 3 | 15 | 10 |
| 3 | 19 | 112111 | 0 | 0 | 0 | 20 | 60 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 514111 | 3 | 31 | 40 | 10 | 21 | 4 | 7 | 4 | 7 | 4 | 9 | 4 | 7 | 9 | 3 | 13 | 6 |
| 3 | 19 | 313112 | 3 | 25 | 30 | 10 | 20 | 10 | 7 | 3 | 8 | 6 | 6 | 3 | 9 | 9 | 3 | 20 | 6 |
| 3 | 19 | 315113 | 3 | 29 | 35 | 5 | 10 | 4 | 12 | 0 | 0 | 0 | 5 | 0 | 7 | 8 | 3 | 6 | 5 |
| 3 | 19 | 513111 | 3 | 29 | 30 | 10 | 35 | 6 | 9 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 | 19 | 123111 | 3 | 19 | 25 | 18 | 50 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 334231 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 19 | 113111 | 3 | 16 | 23 | 19 | 40 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 | 1' | 521111 | 3 | 26 | 33 | 10 | 20 | 6 | 9 | 5 | 0 | 4 | 8 | 3 | 9 | 8 | 3 | 9 | 6 |
| 3 | 19 | 113121 | 0 | 0 | 0 | 20 | 60 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 211111 | 0 | 0 | 0 | 19 | 49 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 224111 | 3 | 19 | 31 | 10 | 50 | 4 | 9 | 3 | 0 | 0 | 6 | 2 | 7 | 0 | 0 | 8 | 6 |
| 3 | 19 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 19 | 312111 | 3 | 0 | 0 | 15 | 40 | 10 | 9 | 3 | 0 | 0 | 5 | 0 | 7 | 8 | 0 | 9 | 0 |
| 3 | 19 | 314112 | 3 | 30 | 40 | 10 | 45 | 10 | 6 | 6 | 10 | 6 | 9 | 2 | 9 | 8 | 2 | 15 | 6 |
| 3 | 19 | 314113 | 3 | 29 | 40 | 10 | 20 | 6 | 6 | 4 | 9 | 4 | 9 | 2 | 9 | 8 | 2 | 15 | 6 |
| 3 | 19 | 412111 | 3 | 0 | 0 | 15 | 55 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 19 | 414111 | 3 | 19 | 30 | 10 | 40 | 6 | 7 | 4 | 9 | 4 | 6 | 3 | 9 | 9 | 2 | 10 | 5 |
| 3 | 19 | 525111 | 3 | 21 | 40 | 12 | 20 | 10 | 6 | 6 | 10 | 6 | 9 | 2 | 9 | 9 | 2 | 20 | 6 |

I HAVE SERVED AS PLATOON SGT. FOR THE LAST YEAR, CONTROLLING AND SUPERVISING 20-24 MEN BOTH IN GARRISON AND THE FIELD IN ADDITION I ALSO TEACH THEM ON SQT TASK.

DEMOGRAPHIC DATA

| | | | WHEN HD YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 74 | 8 |
| MOS | :19E5HUA | GUNNER | : | |
| IN ARMY | :10YR 6MO | LOADER | : | |
| IN ARTILLERY | :10YR 6 | DRIVER | : | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED :>50 | | |

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 20 | 411111 | 5 | 0 | 0 | 999 | 90 | 20 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 | 20 | 515431 | 4 | 20 | 30 | 2 | 30 | 30 | 10 | 0 | 0 | 4 | 999 | 3 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 114111 | 5 | 25 | 35 | 2 | 30 | 20 | 15 | 0 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 515311 | 5 | 30 | 40 | 2 | -1 | 4 | 17 | 0 | 0 | 5 | 0 | 3 | 0 | 0 | 0 | 10 | 5 |
| 3 | 20 | 213111 | 5 | 0 | 0 | 999 | 90 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 413111 | 5 | 0 | 0 | 999 | 90 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 311111 | 5 | 0 | 0 | 999 | 150 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 313111 | 5 | 0 | 0 | 999 | 150 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 | 20 | 515223 | 5 | -1 | -1 | 3 | 60 | 5 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 9 |
| 3 | 20 | 414112 | 5 | 20 | 30 | 3 | 60 | 5 | 6 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 9 | 7 |
| 3 | 20 | 535111 | 5 | 25 | 35 | 2 | -1 | 3 | 8 | 5 | 0 | 5 | 0 | 3 | 0 | 0 | 0 | 9 | 6 |
| 3 | 20 | 112111 | 5 | 0 | 0 | 999 | 150 | 999 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 514111 | 5 | 20 | 30 | 2 | 30 | 3 | 7 | 3 | 0 | 6 | 0 | 3 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 313112 | 5 | 25 | 30 | 2 | 30 | 3 | 7 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 315113 | 5 | 25 | 35 | 2 | -1 | 3 | 8 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 10 | 6 |
| 3 | 20 | 513111 | 5 | 0 | 0 | 999 | 90 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 123111 | 5 | 0 | 0 | 999 | 150 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 334231 | 5 | 30 | 35 | 4 | 30 | 3 | 7 | 3 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 9 | 8 |
| 3 | 20 | 113111 | 5 | 0 | 0 | 999 | 150 | 999 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 521111 | 5 | 0 | 0 | 999 | 90 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 | 20 | 113121 | 5 | 20 | 30 | 999 | 90 | 999 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 211111 | 5 | 0 | 0 | 999 | 150 | 999 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 224111 | 5 | 20 | 30 | 999 | 90 | 999 | 6 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 9 | 0 |
| 3 | 20 | 415314 | 5 | 35 | 40 | 999 | 30 | 999 | 7 | 3 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 10 | 0 |
| 3 | 20 | 312111 | 5 | 0 | 0 | 999 | 150 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 314112 | 5 | 25 | 30 | 999 | 30 | 3 | 8 | 3 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 12 | 0 |
| 3 | 20 | 314113 | 5 | 25 | 30 | -1 | 120 | 3 | 9 | 3 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 10 | 5 |
| 3 | 20 | 412111 | 5 | 0 | 0 | 999 | 150 | 999 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 414111 | 5 | 20 | 30 | 3 | 999 | 3 | 8 | 3 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 10 | 5 |
| 3 | 20 | 523111 | 5 | 30 | 35 | 999 | 20 | 3 | 9 | 3 | 0 | 0 | 6 | 3 | 0 | 0 | 0 | 12 | 5 |

PLATOON SGT. OF A TANK PLATOON IN EUROPE.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 9 76 | 6 |
| MOS | :19E30 | GUNNER | : | |
| IN ARMY | :11YR 10MO | LOADER | : | |
| IN ARTILLERY | :11YR 1 | DRIVER | : | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR | |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 5 |
| 3 21 | 411111 | 3 | 10 | 15 | 5 | 30 | 10 | 10 | 3 | 0 | 0 | 5 | 0 | 0 | 10 | 0 | 0 | 5 |
| 3 21 | 515431 | 3 | 10 | 20 | 5 | 30 | 10 | 10 | 4 | 0 | 0 | 5 | 0 | 0 | 10 | 0 | 0 | 5 |
| 3 21 | 114111 | 3 | 0 | 25 | 5 | 30 | 7 | 15 | 5 | 0 | 0 | 6 | 0 | 0 | 11 | 0 | 0 | 6 |
| 3 21 | 515311 | 3 | 0 | 25 | 5 | 25 | 7 | 15 | 5 | 0 | 0 | 6 | 0 | 0 | 11 | 0 | 0 | 6 |
| 3 21 | 213111 | 3 | 0 | 30 | 4 | 25 | 6 | 15 | 5 | 0 | 0 | 7 | 0 | 0 | 12 | 3 | 3 | 7 |
| 3 21 | 413111 | 3 | 0 | 30 | 4 | 25 | 6 | 15 | 6 | 6 | 0 | 7 | 2 | 0 | 13 | 3 | 3 | 7 |
| 3 21 | 311111 | 3 | 10 | 0 | 8 | 30 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 313111 | 3 | 10 | 0 | 4 | 30 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 515223 | 2 | 0 | 0 | 5 | 10 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 414112 | 2 | 30 | 60 | 2 | 10 | 3 | 30 | 10 | 8 | 5 | 0 | 3 | 0 | 0 | 4 | 0 | 10 |
| 3 21 | 535111 | 3 | 30 | 60 | 1 | 5 | 1 | 30 | 10 | 8 | 5 | 5 | 5 | 0 | 0 | 5 | 0 | 10 |
| 3 21 | 112111 | 0 | 0 | 0 | 5 | 30 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 514111 | 3 | 0 | 0 | 5 | 30 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 313112 | 3 | 30 | 60 | 1 | 10 | 1 | 60 | 5 | 0 | 0 | 0 | 5 | 0 | 10 | 10 | 10 | 10 |
| 3 21 | 313113 | 3 | 30 | 60 | 1 | 10 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | -1 | -1 |
| 3 21 | 513111 | 3 | 0 | 0 | 2 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 123111 | 3 | 0 | 0 | 1 | 10 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 334231 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 21 | 113111 | 5 | 0 | 0 | 5 | 30 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 521111 | 3 | 20 | 30 | 1 | 10 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10 | 5 |
| 3 21 | 113121 | 3 | 0 | 0 | 1 | 10 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 211111 | 0 | 0 | 0 | 2 | 15 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 224111 | 0 | 0 | 30 | 1 | 30 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 415310 | 3 | -1 | -1 | 1 | 5 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 21 | 312111 | 3 | 0 | 0 | 1 | 10 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 314112 | 3 | 30 | 0 | 1 | 5 | 1 | 10 | 5 | 0 | 5 | 5 | 3 | 0 | 0 | 5 | 0 | 0 |
| 3 21 | 314113 | 0 | -1 | -1 | -1 | 5 | 1 | 15 | 5 | 10 | 0 | 5 | 5 | 8 | 0 | -1 | -1 | 0 |
| 3 21 | 412111 | 3 | 0 | 0 | 1 | 10 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 414111 | 3 | 0 | 0 | 1 | 10 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 21 | 525111 | 3 | 0 | 0 | 1 | 5 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

PLT SGT/PLT LDR, RESPONSIBLE FOR THE TRAINING OF 10 S.M., AND IDENTIFING TRAINING DEFFICIENCIES, AND TAKING STEPS TO CORRECT THESE DEFFICIENCIES. * DEC 66 - JUL 67

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | TANK COMMANDER : | 78 | 4 6 |
| MOS | :19E40UR | GUNNER : | 77 | 6 |
| IN ARMY | :12YR | LOADER : | 76 | 6 |
| IN ARTILLERY | : 6YR | DRIVER : | 76 | 6 |

COMBAT :Y 66 67 (WHEN)
ARTIL. COMBAT:N    %SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW SYMP CON RESP (COMP) | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: WALK | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | TANK COMMANDER: RANGE | TANK COMMANDER: DEP LAY | TANK COMMANDER: ISSUE SUBSQ CMD | GUNNER: IDENT TGT | GUNNER: AIM FIRE | GUNNER: APPLY CORR | LOADER: ARM | LOADER: LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 22 411111 5 | 20 | 27 | 3 | 3 | 15 | 10 | 0 | 8 | 6 | 0 | 0 | 8 | 11 | 0 | 9 | 8 |
| 3 22 515431 5 | 29 | 30 | 2.5 | 2 | 10 | 12 | 5 | 7 | 5 | 7 | 5 | 8 | 9 | 3 | 7 | 6 |
| 3 22 114111 5 | 20 | 25 | 3 | 3 | 11 | 10 | 0 | 6 | 4 | 0 | 0 | 7 | 8 | 0 | 7 | 6 |
| 3 22 515311 5 | 30 | 35 | 2.5 | 2 | 5 | 10 | 3 | 7 | 5 | 5 | 3 | 7 | 9 | 2 | 9 | 6 |
| 3 22 213111 5 | 0 | 25 | 3 | 5 | 10 | 10 | 2 | 0 | 4 | 5 | 0 | 7 | 0 | 0 | 7 | 0 |
| 3 22 413111 5 | 17 | 25 | 3 | 3 | 10 | 10 | 2 | 7 | 5 | 5 | 2 | 0 | 0 | 0 | 7 | 0 |
| 3 22 311111 5 | 0 | 25 | 3 | 3 | 14 | 10 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 313111 5 | 17 | 999 | 3 | 3 | 11 | 10 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 515223 5 | 20 | 30 | 1 | 2 | 4 | 14 | 3 | 8 | 6 | 7 | 4 | 9 | 10 | 4 | 8 | 7 |
| 3 22 414112 5 | 20 | 30 | 2 | 2 | 5 | 14 | 2 | 7 | 5 | 5 | 3 | 9 | 10 | 2 | 9 | 7 |
| 3 22 535111 5 | 30 | 40 | 1.5 | 2 | 4 | 14 | 2 | 7 | 5 | 5 | 3 | 8 | 4 | 3 | 8 | 7 |
| 3 22 112111 5 | 0 | 0 | 3 | 5 | 15 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 22 514111 5 | 25 | 30 | 2.5 | 2.5 | 9 | 10 | 3 | 8 | 5 | 7 | 4 | 9 | 10 | 2 | 8 | 7 |
| 3 22 313112 5 | 20 | 30 | 2.5 | 2 | 7 | 14 | 4 | 8 | 6 | 7 | 2 | 8 | 9 | 2 | 8 | 7 |
| 3 22 315113 5 | 35 | 45 | 1 | 1.5 | 3 | 17 | 4 | 9 | 8 | 8 | 3 | 10 | 11 | 3 | 10 | 8 |
| 3 22 513111 5 | 25 | 30 | 2.5 | 2 | 9 | 11 | 3 | 7 | 5 | 6 | 2 | 8 | 9 | 2 | 9 | 6 |
| 3 22 123111 5 | 20 | 25 | 3 | 4.5 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 334231 5 | 35 | 45 | 1 | 1 | 4 | 15 | 5 | 9 | 8 | 9 | 4 | 11 | 12 | 3 | 10 | 9 |
| 3 22 113111 5 | 0 | 0 | 3 | 5 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 22 521111 5 | 20 | 30 | 2.5 | 2.5 | 9 | 10 | 3 | 8 | 6 | 7 | 2 | 9 | 10 | 2 | 9 | 7 |
| 3 22 113121 5 | 20 | 30 | 3 | 3.5 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 211111 5 | 20 | 27 | 3 | 4.5 | 10 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 224111 5 | 25 | 30 | 2.5 | 2 | 8 | 10 | 2 | 7 | 5 | 5 | 2 | 7 | 8 | 2 | 9 | 5 |
| 3 22 415314 5 | 35 | 45 | 1.5 | 1 | 4 | 15 | 2 | 8 | 6 | 7 | 4 | 9 | 10 | 3 | 10 | 7 |
| 3 22 312111 5 | 20 | 30 | 3 | 3.5 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 314112 5 | 40 | 45 | 1 | 1 | 2 | 15 | 7 | 10 | 11 | 7 | 5 | 11 | 12 | 3 | 11 | 8 |
| 3 22 314113 9 | -1 | -1 | -1 | -1 | -1 | 20 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 22 412111 5 | 20 | 30 | 3 | 5 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 22 414111 5 | 25 | 40 | 2.5 | 2 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 8 |
| 3 22 525111 5 | 40 | 50 | 0.5 | 0.5 | 1 | 15 | 5 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER : | 78 | 4 |
| MOS | :19E34 | GUNNER : | 77 | 1 |
| IN ARMY | :11YR | LOADER : | 75 | 2 |
| IN ARTILLERY | :11YR | DRIVER : | 74 | 1 |

COMBAT :Y WHEN 68 70
ARTIL. COMBAT:N

#SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP / SYMP COMP / CON | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: WALK | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | TANK COMMANDER: RANGE | TANK COMMANDER: DEP LAY | TANK COMMANDER: ISSUE SUBSQ CMD | GUNNER: IDENT TGT | GUNNER: AIM FIRE | GUNNER: APPLY CORR | LOADER: ARM | LOADER: LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 23 411111 5 | 30 | 35 | 3 | 3 | 2 | 40 | 4 | 0 | 6 | 8 | 3 | 8 | 9 | 3 | 6 | 6 |
| 3 23 515431 8 | -1 | -1 | -1 | -1 | -1 | 60 | 6 | 8 | 10 | 12 | 4 | 8 | 14 | -1 | -1 | -1 |
| 3 23 114111 8 | -1 | -1 | -1 | 0.5 | -1 | 30 | 0 | 10 | 7 | 0 | 0 | 0 | 9 | 7 | 12 | 7 |
| 3 23 515311 8 | -1 | -1 | -1 | -1 | -1 | 40 | 3 | 8 | 6 | 8 | 2 | 9 | 10 | 4 | 10 | 6 |
| 3 23 213111 8 | 30 | 0 | 2 | 2 | 3 | 30 | 2 | 7 | 4 | 6 | 2 | 0 | 9 | 2 | 8 | 0 |
| 3 23 413111 8 | 20 | 0 | 2 | 3 | 3 | 30 | 2 | 0 | 5 | 6 | 0 | 7 | 9 | 0 | 7 | 0 |
| 3 23 311111 5 | 0 | 0 | 3 | 4 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 23 313111 5 | 30 | 0 | 1 | 1 | 1 | 30 | 3 | 0 | 5 | 6 | 0 | 0 | 8 | 0 | 8 | 6 |
| 3 23 515223 5 | 30 | 40 | -1 | -1 | 1 | 50 | 3 | 7 | 5 | 8 | 3 | 0 | 9 | 3 | 8 | 6 |
| 3 23 414112 8 | 30 | 40 | -1 | 0.5 | 1 | 30 | 3 | 6 | 5 | 6 | 3 | 0 | 9 | 3 | 10 | 8 |
| 3 23 535111 8 | -1 | 40 | -1 | -1 | 1 | 50 | 3 | 0 | 5 | 6 | 2 | 0 | 9 | 3 | 10 | 6 |
| 3 23 112111 5 | 0 | 30 | 2 | 3 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 23 514111 8 | 30 | 40 | 1 | -1 | 1 | 30 | 3 | 0 | 5 | 7 | 0 | 8 | 9 | 3 | 10 | 6 |
| 3 23 313112 5 | 30 | 40 | 1 | 1 | 1 | 30 | 3 | 0 | 0 | 7 | 0 | 0 | 9 | 3 | 10 | 6 |
| 3 23 315113 5 | 30 | 50 | -1 | -1 | 1 | 40 | 3 | 7 | 5 | 7 | 0 | 8 | 10 | 4 | 10 | 6 |
| 3 23 513111 5 | 30 | 30 | 1 | 2 | 2 | 30 | 0 | 0 | 5 | 6 | 0 | 0 | 9 | 3 | 10 | 6 |
| 3 23 123111 8 | 30 | 30 | 1 | 1 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 6 |
| 3 23 334231 8 | 30 | 40 | 1 | 1 | 1 | 30 | 0 | 0 | 6 | 6 | 0 | 8 | 9 | 3 | 10 | 6 |
| 3 23 113111 5 | 0 | 0 | 3 | 4 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 23 521111 5 | 30 | 40 | 1 | 1 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 23 113121 5 | 30 | 40 | 1 | 1 | 1 | 30 | 0 | 0 | 0 | 6 | 0 | 0 | 9 | 2 | 8 | 6 |
| 3 23 211111 5 | 0 | 0 | 2 | 3 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 23 224111 5 | 30 | 40 | 1 | 2 | 1 | 30 | 0 | 0 | 4 | 6 | 0 | 0 | 9 | 3 | 10 | 6 |
| 3 23 415310 5 | -1 | -1 | -1 | -1 | -1 | 40 | 3 | 6 | 5 | 6 | 2 | 8 | 10 | 3 | 10 | 8 |
| 3 23 312111 5 | 30 | 40 | 1 | 2 | 1 | 30 | 0 | 0 | 4 | 6 | 0 | 0 | 9 | 0 | 8 | 6 |
| 3 23 314112 5 | 30 | 40 | 1 | 1 | 1 | 40 | 0 | 0 | 5 | 6 | 0 | 0 | 9 | 0 | 8 | 6 |
| 3 23 314113 5 | -1 | -1 | -1 | -1 | -1 | 40 | 0 | 8 | 5 | 6 | 0 | 0 | 9 | 3 | 10 | 6 |
| 3 23 412111 5 | 30 | 40 | 1 | 2 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 23 414111 5 | 30 | 40 | 1 | 1 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 23 523111 5 | 30 | 40 | -1 | -1 | -1 | 40 | 0 | 0 | 5 | 5 | 0 | 0 | 9 | 0 | 10 | 6 |

PLT SARGEANT

DEMOGRAPHIC DATA

| | | | WHEN HD YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 78 | 4 |
| MOS | :19E | GUNNER : | 76 | 2 |
| IN ARMY | : 8YR | LOADER : | 75 | 1 |
| IN ARTILLERY | : 6YR | DRIVER : | | |
| WHEN COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED :>50 | | |

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 24 | 411111 | 0 | 0 | 0 | 6 | 30 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 24 | 515431 | 0 | 50 | 60 | -1 | 2 | 2 | 45 | 5 | 10 | 8 | 8 | 5 | 10 | 13 | 5 | 15 | 15 |
| 3 24 | 114111 | 0 | 25 | 45 | 3 | 4 | 5 | 20 | 0 | 7 | 8 | 0 | 0 | 0 | 0 | 3 | 10 | 8 |
| 3 24 | 515311 | 0 | 40 | 60 | 2 | 3 | 4 | 25 | 3 | 10 | 15 | 6 | 5 | 8 | 10 | 5 | 20 | 15 |
| 3 24 | 213111 | 0 | 20 | 30 | 4 | 5 | 8 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 7 |
| 3 24 | 413111 | 0 | 35 | 40 | 3 | 4 | 4 | 25 | 0 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 9 |
| 3 24 | 311111 | 0 | 20 | 25 | 5 | 10 | 10 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 24 | 313111 | 0 | 25 | 40 | 3 | 4 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 24 | 515223 | 0 | 50 | 60 | 1 | 3 | 3 | 40 | 5 | 10 | 10 | 6 | 5 | 10 | 15 | 8 | -1 | 10 |
| 3 24 | 414112 | 0 | 40 | 50 | 2 | 5 | 4 | 25 | 4 | 8 | 5 | 7 | 4 | 9 | 10 | 4 | 10 | 10 |
| 3 24 | 535111 | 0 | 50 | 60 | -1 | 1 | 2 | 50 | 4 | 10 | 10 | 7 | 4 | 10 | 10 | 5 | -1 | -1 |
| 3 24 | 112111 | 0 | 20 | 25 | 5 | 10 | 8 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 24 | 514111 | 0 | 25 | 40 | 2 | 4 | 5 | 25 | 4 | 7 | 5 | 6 | 2 | 8 | 9 | 5 | 10 | 8 |
| 3 24 | 313112 | 0 | 40 | 60 | 1 | 3 | 5 | 30 | 4 | 8 | 5 | 6 | 3 | 8 | 8 | 5 | -1 | 10 |
| 3 24 | 315113 | 0 | 60 | 110 | -1 | -1 | -1 | 50 | 10 | 15 | -1 | 10 | 10 | 15 | 20 | 8 | -1 | -1 |
| 3 24 | 513111 | 0 | 50 | 60 | 1 | 2 | 3 | 20 | 5 | 10 | 15 | 8 | 3 | 9 | 10 | 3 | 10 | 10 |
| 3 24 | 123111 | 0 | 25 | 40 | 3 | 4 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 7 |
| 3 24 | 334231 | 0 | -1 | 60 | 1 | -1 | 3 | 40 | 5 | -1 | -1 | 10 | 4 | 15 | 20 | 5 | -1 | -1 |
| 3 24 | 113111 | 0 | 25 | 40 | 3 | 5 | 5 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 24 | 521111 | 0 | 0 | 0 | 5 | 20 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 24 | 113121 | 0 | 20 | 30 | 3 | 5 | 4 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 24 | 211111 | 0 | 0 | 0 | 5 | 25 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 24 | 224111 | 0 | 25 | 45 | 2 | 5 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 24 | 415314 | 0 | -1 | -1 | -1 | -1 | -1 | 50 | 5 | -1 | -1 | 6 | -1 | -1 | -1 | 5 | -1 | -1 |
| 3 24 | 312111 | 0 | 0 | 0 | 4 | 10 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 24 | 314112 | 0 | 20 | 35 | 2 | 3 | 4 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 24 | 314113 | 0 | -1 | -1 | -1 | -1 | -1 | 50 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 24 | 412111 | 0 | 25 | 50 | 2 | 5 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 10 |
| 3 24 | 414111 | 0 | 20 | 30 | 3 | 4 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 10 |
| 3 24 | 525111 | 0 | -1 | -1 | -1 | -1 | -1 | 50 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO | |
|---|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 76 | 6 | |
| MOS | :19F30UR | GUNNER | : 75 | 2 | * |
| IN ARMY | :11YR MO | LOADER | : 70 | 1 | |
| IN ARTILLERY | :10YR 6 | DRIVER | : 66 | 1 | |
| | WHEN | | | | |
| COMBAT | :N | | | | |
| ARTIL. COMBAT | :N | #SUPERVISED :>50 | | | |

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SIMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 25 | 411111 | 4 | 20 | 40 | 3 | 12 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 25 | 515431 | 4 | -1 | -1 | 0.5 | -1 | 1 | 40 | 3 | 7 | 4 | 6 | 3 | 8 | 9 | 2 | -1 | 8 |
| 3 25 | 114111 | 4 | 25 | 40 | 3 | 2 | 3 | 18 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 9 | 6 |
| 3 25 | 515311 | 4 | 50 | 110 | -1 | 1 | 1 | 18 | 0 | 8 | 5 | 6 | 0 | 0 | 0 | 0 | -1 | 7 |
| 3 25 | 213111 | 4 | 20 | 30 | 3 | 9 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 25 | 413111 | 4 | 20 | 30 | 3 | 8 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 25 | 311111 | 4 | 20 | 40 | 20 | 8 | 3 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 25 | 313111 | 4 | 30 | 50 | 3 | 6 | 3 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 |
| 3 25 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | 30 | 2 | 7 | 4 | 6 | 2 | 8 | 9 | 2 | -1 | 7 |
| 3 25 | 414112 | 4 | 30 | 60 | 3 | 5 | 2 | 18 | 0 | 6 | 4 | 5 | 0 | 7 | 9 | 0 | 9 | 5 |
| 3 25 | 535111 | 4 | 45 | -1 | 1 | -1 | -1 | 20 | 3 | 7 | 5 | 7 | 2 | 7 | 9 | 2 | -1 | 7 |
| 3 25 | 112111 | 4 | 0 | 0 | 4 | 12 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 25 | 514111 | 4 | 17 | 45 | 2 | 9 | 3 | 18 | 0 | 6 | 4 | 5 | 0 | 7 | 8 | 0 | 8 | 0 |
| 3 25 | 313112 | 4 | 20 | 35 | 3 | 5 | 2 | 19 | 3 | 7 | 5 | 6 | 2 | 7 | 8 | 0 | 9 | 7 |
| 3 25 | 315113 | 4 | -1 | -1 | -1 | 1 | -1 | 20 | 3 | 8 | 6 | 6 | 2 | 8 | 8 | 2 | -1 | 7 |
| 3 25 | 513111 | 4 | 10 | 30 | 2 | 4 | 3 | 18 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 5 |
| 3 25 | 123111 | 4 | 25 | 50 | 3 | 6 | 2 | 17 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 5 |
| 3 25 | 334231 | 4 | 35 | 60 | 2 | 5 | 2 | 18 | 2 | 6 | 4 | 5 | 0 | 7 | 9 | 0 | 10 | 7 |
| 3 25 | 113111 | 4 | 0 | 0 | 5 | 15 | 9 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 25 | 521111 | 4 | 20 | 53 | 1 | 6 | 2 | 20 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 7 | 5 |
| 3 25 | 113121 | 4 | 10 | 25 | 3 | 9 | 4 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 25 | 211111 | 4 | 16 | 25 | 3 | 9 | 4 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 25 | 224111 | 4 | 25 | 40 | 2 | 5 | 3 | 16 | 0 | 6 | 4 | 5 | 0 | 0 | 0 | 0 | 9 | 6 |
| 3 25 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 22 | 4 | 7 | 6 | 5 | 3 | 9 | 10 | 3 | -1 | 10 |
| 3 25 | 312111 | 4 | 25 | 40 | 1 | 5 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 8 |
| 3 25 | 314112 | 4 | 35 | 50 | 1.5 | 3 | 2 | 16 | 2 | 6 | 4 | 6 | 2 | 7 | 9 | 0 | 7 | 9 |
| 3 25 | 314113 | 4 | 40 | 60 | 1 | 3 | 2 | 18 | 2 | 7 | 5 | 6 | 2 | 7 | 8 | 2 | -1 | 6 |
| 3 25 | 412111 | 4 | 20 | 45 | 2 | 8 | 3 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 25 | 414111 | 4 | 35 | 55 | 1 | 5 | 3 | 15 | 0 | 6 | 5 | 6 | 0 | 7 | 9 | 0 | 9 | 6 |
| 3 25 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | 25 | 3 | 7 | 6 | 6 | 2 | 7 | 9 | 3 | -1 | 8 |

PLT. SGT./TANK SECTION LDR. USMC

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | | 6 |
| MOS | : 1811 | GUNNER | : | |
| IN ARMY | : 6YR 6MO | LOADER | : | |
| IN ARTILLERY | : 6YR 6 | DRIVER | : | |

WHEN

COMBAT :N

ARTIL. COMBAT:N  #SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 26 | 411111 | 4 | 0 | 0 | 5 | 60 | 10 | 10 | 6 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 515431 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 114111 | 4 | 20 | 0 | 3 | 20 | 5 | 10 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 213111 | 4 | 0 | 0 | 5 | 30 | 10 | 10 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 413111 | 4 | 0 | 0 | 3 | 20 | 10 | 10 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 311111 | 4 | 0 | 0 | 2 | 10 | 5 | 15 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 313111 | 4 | 20 | 0 | 1 | 3 | 5 | 15 | 8 | 0 | 5 | 0 | 5 | 0 | 0 | 5 | 0 | 0 |
| 3 | 26 | 515223 | 4 | 30 | 0 | 1 | 3 | 2 | 15 | 10 | 10 | 7 | 0 | 10 | 7 | 0 | 10 | 0 | 0 |
| 3 | 26 | 414112 | 4 | 0 | 0 | 3 | 10 | 3 | 5 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 |
| 3 | 26 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 112111 | 4 | 0 | 0 | 5 | 30 | 10 | 5 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 514111 | 4 | 60 | 120 | -1 | 1 | 2 | 30 | 15 | 10 | 5 | 6 | 5 | 0 | 0 | 10 | 0 | 0 |
| 3 | 26 | 313112 | 4 | 20 | 30 | 3 | 10 | 5 | 10 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 513111 | 4 | 30 | 30 | 2 | 2 | 3 | 10 | 10 | 10 | 5 | 10 | 10 | 0 | 0 | 10 | 0 | 0 |
| 3 | 26 | 123111 | 4 | 0 | 0 | 1 | -1 | 1 | 15 | 10 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 0 | 0 |
| 3 | 26 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 113111 | 4 | 0 | 0 | 4 | 30 | 5 | 5 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 521111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 113121 | 4 | 30 | 25 | 1 | 5 | 2 | 15 | 10 | 7 | 6 | 10 | 5 | 0 | 0 | 5 | 0 | 0 |
| 3 | 26 | 211111 | 4 | 20 | 0 | 3 | 3 | 3 | 10 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 224111 | 4 | 20 | 25 | 2 | 3 | 2 | 15 | 10 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| 3 | 26 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 312111 | 4 | 20 | 0 | 1 | 5 | 2 | 10 | 10 | 7 | 5 | 10 | 4 | 0 | 0 | 5 | 0 | 0 |
| 3 | 26 | 314112 | 9 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 26 | 314113 | 4 | 25 | 25 | 1 | 1 | -1 | 15 | 30 | 15 | 10 | 25 | 5 | 0 | 0 | 10 | 0 | 0 |
| 3 | 26 | 412111 | 4 | 20 | 25 | 2 | 10 | 2 | 10 | 8 | 7 | 4 | 8 | 4 | 0 | 0 | 5 | 0 | 0 |
| 3 | 26 | 414111 | 4 | 25 | 30 | 1 | 5 | 2 | 10 | 10 | 0 | 0 | 1 | 5 | 0 | 0 | 5 | 0 | 0 |
| 3 | 26 | 525111 | 4 | 25 | 25 | 1 | 3 | 1 | 10 | 30 | 15 | 10 | 30 | 15 | 0 | 0 | 5 | 0 | 0 |

[illegible] TANK COMMANDER [illegible] WENT THRU 3 COUNTRYS AFTER AND NUMERIOUS OTHER DUTIES, AND MISSIONS.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 74 | 7 |
| MOS | :19F30 | GUNNER | : | |
| IN ARMY | :10YR | LOADER | : | |
| IN ARTILLERY | : 6YR | DRIVER | : | 6 |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 27 | 411111 | 4 | 30 | 35 | 5 | 15 | 10 | 30 | 20 | 10 | 9 | 10 | 5 | 9 | 15 | 6 | 10 | 8 |
| 3 | 27 | 515431 | 3 | 60 | 50 | 1 | 2 | 2 | 60 | 60 | 25 | 30 | 45 | 15 | 20 | 25 | 15 | 25 | 10 |
| 3 | 27 | 114111 | 4 | 20 | 30 | 6 | 10 | 7 | 50 | 10 | 10 | 12 | 10 | 5 | 8 | 15 | 3 | 10 | 7 |
| 3 | 27 | 515311 | 3 | 55 | 60 | 2 | 5 | 1 | 60 | 60 | 60 | 60 | 60 | 40 | 35 | 50 | 25 | 35 | 15 |
| 3 | 27 | 213111 | 3 | 30 | 30 | 6 | 10 | 8 | 25 | 8 | 15 | 20 | 20 | 8 | 0 | 10 | 3 | 10 | 5 |
| 3 | 27 | 413111 | 3 | 40 | 45 | 2 | 2 | 5 | 35 | 15 | 10 | 10 | 15 | 10 | 8 | 15 | 4 | 10 | 8 |
| 3 | 27 | 311111 | 3 | 25 | 35 | 5 | 10 | 5 | 40 | 6 | 15 | 20 | 25 | 8 | 10 | 15 | 6 | 11 | 7 |
| 3 | 27 | 313111 | 3 | 35 | 35 | 1 | 2 | 2 | 30 | 15 | 20 | 20 | 25 | 10 | 15 | 20 | 10 | 15 | 10 |
| 3 | 27 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 27 | 414112 | 3 | 40 | 40 | 2 | 1 | 1 | 40 | 20 | 35 | 40 | 30 | 15 | 20 | 35 | 10 | 25 | 15 |
| 3 | 27 | 535111 | 3 | 50 | 45 | 1 | -1 | 1 | 60 | 55 | 50 | 50 | 50 | 30 | 30 | 40 | 15 | 25 | 20 |
| 3 | 27 | 112111 | 4 | 30 | 25 | 5 | 15 | 10 | 20 | 3 | 8 | 10 | 10 | 3 | 8 | 11 | 3 | 10 | 6 |
| 3 | 27 | 514111 | 3 | 30 | 30 | 2 | 3 | 2 | 30 | 45 | 45 | 35 | 50 | 15 | 15 | 25 | [illegible] | 15 | 8 |
| 3 | 27 | 313112 | 3 | 45 | 40 | 1 | 1 | 1 | 25 | 45 | 45 | 45 | 45 | 15 | 20 | 25 | 10 | 25 | 15 |
| 3 | 27 | 315113 | 3 | 60 | 55 | 1 | 1 | 1 | 50 | 60 | 60 | 60 | 60 | 55 | 50 | 60 | 50 | 60 | 40 |
| 3 | 27 | 513111 | 2 | 35 | 40 | 2 | 5 | 4 | 45 | 20 | 35 | 30 | 35 | 15 | 15 | 20 | 10 | 20 | 10 |
| 3 | 27 | 123111 | 3 | 50 | 30 | 1 | 1 | 2 | 35 | 10 | 15 | 15 | 15 | 15 | 10 | 15 | 6 | 10 | 6 |
| 3 | 27 | 334231 | 3 | 50 | 45 | 1 | 1 | 1 | 40 | 45 | 55 | 55 | 60 | 25 | 25 | 35 | 15 | 25 | 10 |
| 3 | 27 | 113111 | 4 | 20 | 25 | 6 | 15 | 10 | 10 | 3 | 6 | 5 | 6 | 3 | 8 | 10 | 2 | 8 | 5 |
| 3 | 27 | 521111 | 3 | 30 | 30 | 2 | 5 | 3 | 25 | 15 | 20 | 25 | 25 | 5 | 15 | 20 | 5 | 15 | 8 |
| 3 | 27 | 113121 | 3 | 20 | 30 | 6 | 10 | 6 | 30 | 4 | 8 | 8 | 10 | 6 | 7 | 10 | 3 | 10 | 7 |
| 3 | 27 | 211111 | 3 | 20 | 25 | 6 | 10 | 5 | 20 | 3 | 7 | 5 | 7 | 2 | 8 | 10 | 3 | 10 | 5 |
| 3 | 27 | 224111 | 3 | 25 | 30 | 3 | 3 | 2 | 25 | 15 | 20 | 25 | 15 | 8 | 10 | 15 | 5 | 10 | 7 |
| 3 | 27 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 27 | 312111 | 3 | 30 | 30 | 3 | 5 | 5 | 25 | 7 | 8 | 10 | 10 | 6 | 10 | 15 | 4 | 10 | 8 |
| 3 | 27 | 314112 | 3 | 25 | 30 | 2 | 2 | 2 | 35 | 10 | 25 | 25 | 25 | 15 | 10 | 20 | 10 | 15 | 10 |
| 3 | 27 | 314113 | 3 | 25 | 30 | 1 | 2 | 1 | 30 | 20 | 25 | 30 | 35 | 5 | 15 | 20 | 10 | 15 | 10 |
| 3 | 27 | 412111 | 3 | 25 | 25 | 5 | 10 | 3 | 30 | 7 | 10 | 10 | 10 | 5 | 8 | 15 | 3 | 10 | 7 |
| 3 | 27 | 414111 | 3 | 35 | 30 | 2 | 5 | 3 | 25 | 15 | 20 | 10 | 10 | 10 | 10 | 15 | 10 | 20 | 10 |
| 3 | 27 | 525111 | 3 | 30 | 30 | 1 | 2 | 1 | 40 | 25 | 35 | 35 | 40 | 15 | 20 | 35 | 10 | 15 | 15 |

BRIEFED ALL NATO FORCES ON UPFOR VEH. AND PERFORMED MAINTANCE ON 162,1-62-A, 154, T54B, P176, BIR152, BIR60PB, GAZ-69 AND BMP. TANK SEC. LEADER.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 76 | 1 |
| MOS | :19F30 | GUNNER | :5 | |
| IN ARMY | :10YR | LOADER | : | |
| IN ARTILLERY | : 6YR | DRIVER | : | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP CUMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 28 | 411111 | 3 | 45 | 40 | 4 | 5 | 8 | 30 | 3 | 7 | 10 | 6 | 4 | 9 | 10 | 2 | 8 | 7 |
| 3 28 | 515431 | 3 | 65 | 80 | 1 | 5 | 3 | 70 | 9 | 15 | 12 | 10 | 9 | 14 | 11 | 3 | 15 | 12 |
| 3 28 | 114111 | 3 | 20 | 60 | 6 | 30 | 15 | 45 | 3 | 6 | 5 | 3 | 6 | 8 | 10 | 2 | 6 | 7 |
| 3 28 | 515311 | 2 | 20 | 70 | 1 | 5 | 3 | 45 | 7 | 6 | 11 | 6 | 8 | 5 | 11 | 3 | 15 | 11 |
| 3 28 | 213111 | 3 | 0 | 0 | 8 | 120 | 20 | 45 | 2 | 0 | 4 | 0 | 5 | 0 | 0 | 2 | 7 | 7 |
| 3 28 | 413111 | 3 | 16 | 0 | 6 | 60 | 15 | 45 | 3 | 0 | 6 | 0 | 4 | 0 | 8 | 2 | 8 | 7 |
| 3 28 | 311111 | 3 | 0 | 0 | 7 | 120 | 20 | 45 | 2 | 0 | 6 | 0 | 4 | 0 | 0 | 2 | 6 | 7 |
| 3 28 | 313111 | 3 | 0 | 0 | 7 | 100 | 15 | 45 | 3 | 0 | 7 | 0 | 4 | 0 | 0 | 2 | 7 | 7 |
| 3 28 | 515223 | 3 | 35 | 45 | 1 | 5 | 2 | 85 | 8 | 10 | 15 | 8 | 15 | 15 | 20 | 4 | 12 | 14 |
| 3 28 | 414112 | 3 | 25 | 50 | 3 | 45 | 4 | 45 | 3 | 0 | 8 | 0 | 5 | 0 | 9 | 2 | 10 | 10 |
| 3 28 | 535111 | 3 | 45 | 50 | 2 | 40 | 3 | 70 | 5 | 9 | 12 | 7 | 10 | 15 | 19 | 3 | 15 | 11 |
| 3 28 | 112111 | 3 | 0 | 0 | 8 | 120 | 15 | 45 | 2 | 0 | 5 | 0 | 4 | 0 | 0 | 2 | 7 | 7 |
| 3 28 | 514111 | 2 | 45 | 60 | 2 | 30 | 3 | 50 | 10 | 15 | 15 | 10 | 15 | 17 | 12 | 2 | 15 | 12 |
| 3 28 | 313112 | 3 | 0 | 30 | 6 | 30 | 3 | 45 | 3 | 0 | 6 | 0 | 5 | 0 | 0 | 2 | 7 | 7 |
| 3 28 | 315113 | 2 | 25 | 45 | 1 | 5 | 2 | 60 | 3 | 0 | 7 | 0 | 8 | 0 | 9 | 2 | 15 | 8 |
| 3 28 | 513111 | 3 | 0 | 0 | 6 | 60 | 7 | 45 | 3 | 0 | 6 | 0 | 5 | 0 | 8 | 2 | 8 | 7 |
| 3 28 | 123111 | 3 | 0 | 0 | 6 | 60 | 6 | 45 | 3 | 0 | 6 | 0 | 5 | 0 | 8 | 2 | 7 | 7 |
| 3 28 | 334231 | 3 | 25 | 40 | 3 | 25 | 3 | 55 | 3 | 0 | 7 | 0 | 9 | 10 | 12 | 2 | 15 | 12 |
| 3 28 | 113111 | 3 | 0 | 0 | 10 | 120 | 20 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 28 | 521111 | 3 | 20 | 35 | 3 | 40 | 3 | 55 | 3 | 7 | 7 | 0 | 7 | 8 | 10 | 2 | 10 | 11 |
| 3 28 | 113121 | 2 | 10 | 25 | 6 | 40 | 3 | 60 | 3 | 0 | 7 | 0 | 5 | 0 | 0 | 2 | 8 | 9 |
| 3 28 | 211111 | 3 | 0 | 0 | 6 | 120 | 12 | 45 | 3 | 0 | 7 | 0 | | 0 | 0 | 2 | 6 | 7 |
| 3 28 | 224111 | 2 | 20 | 40 | 3 | 30 | 6 | 55 | 3 | 0 | 8 | 0 | 7 | 6 | 10 | 2 | 13 | 10 |
| 3 28 | 415314 | 2 | -1 | -1 | 1 | 5 | 1 | 75 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 28 | 312111 | 2 | 20 | 30 | 3 | 30 | 6 | 50 | 3 | 0 | 7 | 0 | 8 | 0 | 9 | 2 | 8 | 8 |
| 3 28 | 314112 | 2 | 25 | 35 | 3 | 40 | 6 | 55 | 4 | 8 | 10 | 6 | 10 | 10 | 10 | 3 | 17 | 10 |
| 3 28 | 314113 | 2 | -1 | -1 | 1 | 5 | 1 | 70 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 28 | 412111 | 2 | 0 | 0 | 3 | 60 | 6 | 50 | 3 | 0 | 7 | 0 | 6 | 0 | 0 | 2 | 8 | 9 |
| 3 28 | 414111 | 2 | 30 | 40 | 3 | 15 | 4 | 75 | 3 | 0 | 7 | 0 | 6 | 0 | 0 | 2 | 8 | 7 |
| 3 28 | 525111 | 2 | -1 | -1 | 1 | 10 | 2 | 70 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

WAS IN GERMANY IN 2ND AI ARMOR. EULONGED FRG WAS A PLATOON SERGENT FOR 10 ENTIRE YEAR.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | | 7 |
| MOS | :19E30H | GUNNER | : | 3 |
| IN ARMY | :12YR 6MO | LOADER | : | 1 |
| IN ARTILLERY | :10YR | DRIVER | : | 1 |

WHEN

COMBAT :N

ARTIL. COMBAT:N #SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 29 | 411111 | 3 | 30 | 50 | 3 | 20 | 2 | 10 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 7 | 0 |
| 3 | 29 | 515431 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 15 | 6 | 7 | 3 | 10 | 13 | 10 | 15 | 5 |
| 3 | 29 | 114111 | 3 | 45 | -1 | 2 | 10 | 1 | 16 | 3 | 9 | 5 | 8 | 2 | 8 | 9 | 4 | 10 | 8 |
| 3 | 29 | 515311 | 3 | 50 | -1 | 2 | 5 | 1 | 21 | 4 | 10 | 12 | 10 | 3 | 9 | 10 | 10 | 15 | 7 |
| 3 | 29 | 213111 | 3 | 25 | 35 | 3 | 12 | 2 | 16 | 2 | 6 | 4 | 7 | 0 | 0 | 9 | 2 | 10 | 0 |
| 3 | 29 | 413111 | 4 | 20 | 50 | 3 | 10 | 3 | 12 | 2 | 10 | 7 | 8 | 3 | 0 | 10 | 0 | 7 | 0 |
| 3 | 29 | 311111 | 4 | 20 | 30 | 5 | 20 | 3 | 12 | 0 | 7 | 6 | 5 | 0 | 7 | 8 | 0 | 7 | 0 |
| 3 | 29 | 313111 | 4 | 25 | 45 | 3 | 15 | 3 | 12 | 3 | 7 | 7 | 6 | 2 | 0 | 10 | 0 | 10 | 0 |
| 3 | 29 | 515223 | 3 | -1 | -1 | 1 | 5 | 1 | 20 | 4 | 10 | 6 | 8 | 3 | 7 | 9 | 3 | 15 | 8 |
| 3 | 29 | 414112 | 3 | 40 | -1 | 2 | 10 | -1 | 12 | 3 | 10 | 6 | 8 | 3 | 7 | 10 | 0 | 15 | 6 |
| 3 | 29 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 3 | 10 | 10 | 7 | 4 | 7 | 12 | 5 | -1 | 6 |
| 3 | 29 | 112111 | 3 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 29 | 514111 | 3 | 50 | -1 | 1 | 5 | -1 | 20 | 4 | 15 | 12 | 10 | 3 | 0 | 14 | 3 | 20 | 10 |
| 3 | 29 | 313112 | 3 | 40 | 60 | 2 | 10 | 3 | 12 | 3 | 8 | 6 | 6 | 2 | 9 | 12 | 2 | 7 | 6 |
| 3 | 29 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 4 | 10 | 14 | 7 | 3 | 7 | 8 | 2 | -1 | 6 |
| 3 | 29 | 513111 | 3 | 30 | 60 | 2 | 15 | 3 | 14 | 4 | 10 | 10 | 11 | 3 | 7 | 12 | 2 | 10 | 7 |
| 3 | 29 | 123111 | 3 | 60 | -1 | 2 | 20 | -1 | 12 | 0 | 7 | 7 | 0 | 0 | 0 | 12 | 0 | 15 | 10 |
| 3 | 29 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 7 | 10 | 6 | 10 | 3 | 7 | 13 | 2 | 20 | 8 |
| 3 | 29 | 113111 | 3 | 30 | 40 | 4 | 20 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 | 29 | 521111 | 3 | 30 | 40 | 2 | 20 | 3 | 12 | 3 | 10 | 7 | 8 | 3 | 12 | 14 | 3 | 15 | 6 |
| 3 | 29 | 113121 | 3 | 20 | 30 | 3 | 20 | 4 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| 3 | 29 | 211111 | 3 | 0 | 0 | 4 | 20 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 29 | 224111 | 3 | -1 | -1 | -1 | 5 | -1 | 8 | 4 | 10 | 12 | 7 | 3 | 0 | 10 | 2 | 15 | 8 |
| 3 | 29 | 415310 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 29 | 312111 | 3 | 30 | 40 | 1 | 10 | 3 | 10 | 3 | 10 | 6 | 7 | 2 | 8 | 9 | 3 | 15 | 8 |
| 3 | 29 | 314112 | 3 | -1 | -1 | -1 | -1 | -1 | 8 | 3 | 10 | 7 | 6 | 2 | 8 | 10 | 2 | 15 | 6 |
| 3 | 29 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | 9 | 4 | -1 | -1 | 8 | 3 | 7 | 10 | 2 | -1 | 6 |
| 3 | 29 | 412111 | 3 | 30 | 40 | 2 | 20 | 3 | 8 | 2 | 6 | 4 | 6 | 2 | 7 | 8 | 0 | 8 | 0 |
| 3 | 29 | 414111 | 3 | 60 | 50 | 2 | 10 | 3 | 10 | 3 | 8 | 7 | 8 | 3 | 8 | 10 | 2 | 15 | 6 |
| 3 | 29 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 12 | 3 | -1 | -1 | 6 | 2 | 7 | 12 | 2 | -1 | 8 |

INSTRUCTOR M60A3 NETT TEAM TEACHING FIRE CONTROL, LASING ABILITY OF A-3 SYSTEM)

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | : | 74 | 7 |
| MOS | :19F30 | GUNNER | : | 73 | 1 6 |
| IN ARMY | :10YR | LOADER | : | | |
| IN ARTILLERY | :10YR | DRIVER | : | 72 | 8 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 30 | 411111 | 3 | 999 | 999 | 2 | 15 | 2 | 30 | 7 | 7 | 10 | 15 | 4 | 5 | 11 | 6 | 0 | 6 |
| 3 | 30 | 515431 | 3 | 999 | 999 | 1 | 15 | 2 | 60 | 10 | 15 | 10 | 20 | 4 | 12 | 15 | 3 | 10 | 8 |
| 3 | 30 | 114111 | 8 | 999 | 999 | 2 | 20 | 2 | 15 | 4 | 11 | 8 | 10 | 3 | 9 | 15 | 3 | 11 | 6 |
| 3 | 30 | 515311 | 4 | 999 | 999 | 1 | 10 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 213111 | 8 | 999 | 999 | 3 | 45 | 4 | 15 | 7 | 6 | 4 | 7 | 4 | 8 | 10 | 3 | 7 | 6 |
| 3 | 30 | 413111 | 8 | 999 | 999 | 2 | 30 | 2 | 20 | 4 | 8 | 7 | 10 | 5 | 9 | 10 | 4 | 11 | 7 |
| 3 | 30 | 511111 | 3 | 999 | 999 | 3 | 60 | 4 | 15 | 5 | 7 | 5 | 8 | 5 | 8 | 9 | 4 | 7 | 6 |
| 3 | 30 | 513111 | 3 | 999 | 999 | 2 | 30 | 3 | 25 | 7 | 9 | 6 | 9 | 4 | 8 | 15 | 5 | 9 | 7 |
| 3 | 30 | 515223 | 3 | 999 | 999 | 1 | 5 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 414112 | 3 | 999 | 999 | 1 | 15 | 2 | 30 | 10 | 15 | 15 | 19 | 10 | 9 | 20 | 3 | 10 | 8 |
| 3 | 30 | 535111 | 8 | 999 | 999 | -1 | 5 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 112111 | 8 | 999 | 999 | 4 | 60 | 40 | 15 | 5 | 7 | 5 | 7 | 3 | 8 | 9 | 3 | 7 | 6 |
| 3 | 30 | 514111 | 8 | 999 | 999 | 2 | 25 | 2 | 30 | 9 | 10 | 7 | 8 | 5 | 9 | 11 | 4 | 9 | 7 |
| 3 | 30 | 513112 | 3 | 999 | 999 | 1 | 20 | 2 | 20 | 9 | 10 | 9 | 11 | 5 | 9 | 15 | 3 | 10 | 8 |
| 3 | 30 | 515113 | 3 | 999 | 999 | -1 | 5 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 513111 | 8 | 999 | 999 | 2 | 30 | 3 | 20 | 7 | 9 | 9 | 8 | 5 | 9 | 15 | 3 | 9 | 8 |
| 3 | 30 | 123111 | 8 | 999 | 999 | 3 | 45 | 3 | 15 | 5 | 10 | 6 | 9 | 5 | 10 | 15 | 3 | 9 | 8 |
| 3 | 30 | 334231 | 3 | 999 | 999 | 1 | 15 | 1 | 30 | 6 | 10 | 9 | 10 | 6 | 8 | 18 | 4 | 10 | 8 |
| 3 | 30 | 113111 | 7 | 999 | 999 | 3 | 50 | 3 | 10 | 5 | 8 | 6 | 10 | 3 | 8 | 10 | 2 | 8 | 6 |
| 3 | 30 | 521111 | 8 | 999 | 999 | 2 | 45 | 2 | 20 | 4 | 11 | 6 | 1 | 4 | 9 | 15 | 3 | 7 | 6 |
| 3 | 30 | 113121 | 8 | 999 | 999 | 2 | 40 | 2 | 25 | 7 | 10 | 6 | 9 | 4 | 8 | 12 | 4 | 9 | 8 |
| 3 | 30 | 211111 | 8 | 999 | 999 | 3 | 60 | 3 | 10 | 7 | 9 | 5 | 7 | 3 | 8 | 10 | 3 | 9 | 6 |
| 3 | 30 | 274111 | 9 | 999 | 999 | 1 | 20 | 4 | 25 | 10 | 9 | 6 | 10 | 5 | 9 | 15 | 4 | 9 | 8 |
| 3 | 30 | 415314 | 9 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 312111 | 9 | 999 | 999 | 2 | 45 | 2 | 15 | 7 | 9 | 7 | 8 | 5 | 9 | 9 | 3 | 9 | 6 |
| 3 | 30 | 314112 | 9 | 999 | 999 | -1 | 10 | 1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 314113 | 3 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 30 | 412111 | 8 | 999 | 999 | 3 | 60 | 3 | 10 | 7 | 9 | 5 | 8 | 3 | 8 | 10 | 3 | 8 | 6 |
| 3 | 30 | 414111 | 8 | 999 | 999 | 2 | 25 | 2 | 20 | 9 | 10 | 7 | 9 | 4 | 9 | 11 | 4 | 9 | 8 |
| 3 | 30 | 525111 | 3 | 999 | 999 | -1 | 5 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

DURING THE PAST YEAR TECH INTEL ANALYST SOVIET ARMOR

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | TANK COMMANDER : | 70 | 12 |
| MOS | :19E4A | GUNNER : | | |
| IN ARMY | :14YR 6MO | LOADER : | | |
| IN ARTILLERY | :14YR 6 | DRIVER : | 69 | 1 |

WHEN
COMBAT :Y 69 70
ARTIL. COMBAT:Y 69 70 #SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 31 | 411111 | 3 | 999 | 999 | 4 | 15 | 15 | 15 | 5 | 10 | 0 | 8 | 4 | 0 | 10 | 0 | 10 | 10 |
| 3 31 | 515831 | 3 | 120 | 300 | 1 | 5 | 1 | 60 | 30 | 45 | 60 | 45 | 15 | 30 | 40 | 5 | 45 | 40 |
| 3 31 | 114111 | 3 | 30 | 60 | 2 | 5 | 3 | 15 | 2 | 10 | 10 | 5 | 3 | 0 | 10 | 2 | 10 | 8 |
| 3 31 | 515311 | 3 | 60 | 120 | 1 | 3 | 2 | 20 | 15 | 30 | 20 | 30 | 10 | 12 | 20 | 3 | 30 | 10 |
| 3 31 | 213111 | 3 | 20 | 30 | 2 | 10 | 6 | 30 | 2 | 10 | 6 | 8 | 2 | 0 | 14 | 0 | 15 | 8 |
| 3 31 | 413111 | 3 | 30 | 60 | 2 | 10 | 3 | 30 | 10 | 15 | 6 | 15 | 3 | 20 | 20 | 5 | 15 | 8 |
| 3 31 | 311111 | 3 | 20 | 60 | 2 | 5 | 7 | 40 | 4 | 7 | 0 | 8 | 3 | 8 | 0 | 2 | 10 | 0 |
| 3 31 | 313111 | 3 | 15 | 30 | 3 | 5 | 3 | 45 | 4 | 0 | 0 | 8 | 3 | 12 | 9 | 2 | 10 | 8 |
| 3 31 | 515223 | 3 | 120 | 180 | 1 | 3 | 2 | 60 | 3 | 20 | 18 | 30 | 20 | 15 | 30 | 5 | 30 | 10 |
| 3 31 | 414112 | 3 | 120 | 180 | 1 | 2 | 2 | 60 | 10 | 20 | 30 | 10 | 3 | 12 | 14 | 4 | 20 | 8 |
| 3 31 | 535111 | 3 | 120 | 180 | 1 | 1 | 1 | 80 | 20 | 30 | 20 | 25 | 4 | 18 | 26 | 3 | 25 | 8 |
| 3 31 | 112111 | 3 | 0 | 0 | 3 | 15 | 6 | 30 | 2 | 6 | 4 | 5 | 2 | 8 | 8 | 2 | 6 | 0 |
| 3 31 | 514111 | 3 | 180 | 240 | 1 | 1 | 2 | 60 | 20 | 10 | 15 | 20 | 3 | 8 | 14 | 3 | 30 | 8 |
| 3 31 | 313112 | 3 | 240 | 300 | 1 | 1 | 1 | 40 | 10 | 8 | 15 | 10 | 4 | 12 | 14 | 2 | 30 | 8 |
| 3 31 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 513111 | 3 | 30 | 120 | 1 | 1 | 3 | 60 | 10 | 15 | 15 | 10 | 8 | 14 | 14 | 4 | 10 | 8 |
| 3 31 | 123111 | 3 | 0 | 0 | 2 | 10 | 2 | 60 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 0 | 6 |
| 3 31 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 113111 | 3 | 0 | 25 | 2 | 15 | 3 | 40 | 2 | 0 | 4 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| 3 31 | 521111 | 3 | -1 | -1 | -1 | -1 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 113121 | 3 | 0 | 0 | 3 | 15 | 10 | 30 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 |
| 3 31 | 211111 | 3 | 0 | 30 | 3 | 15 | 6 | 40 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 3 31 | 224111 | 3 | -1 | -1 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 312111 | 3 | 20 | 25 | 2 | 10 | 3 | 40 | 2 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 10 | 6 |
| 3 31 | 314112 | 3 | -1 | -1 | 1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 314113 | 3 | -1 | -1 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 412111 | 3 | 20 | 30 | 2 | 4 | 2 | 60 | 2 | 0 | 0 | 0 | 3 | 0 | 10 | 2 | 0 | 0 |
| 3 31 | 414111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 31 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

TANK SECTION LEADER IN A CAV TROOP. SUPERVISE TANK SECTION AND 20 PEOPLE, LEAD TANK SECTION IN MANUVERS AND GUNNERY EXERCISES.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 2 78 | 5 |
| MOS | :19F30 | GUNNER | : 77 | 1 |
| IN ARMY | : 8YR | LOADER | : | |
| IN ARTILLERY | : 8YR | DRIVER | : 76 | 1 |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | RESP | SIMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FINE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 32 | 411111 | 3 | 20 | 30 | 3.5 | 5.5 | 9 | 20 | 3 | 8 | 7 | 6 | 3 | 9.5 | 10 | 0 | 8 | 0 |
| 3 | 32 | 515431 | 3 | -1 | -1 | -1 | -1 | -1 | 30 | 5 | -1 | -1 | 8 | 5 | 10 | 12.5 | 0 | -1 | -1 |
| 3 | 32 | 114111 | [illegible] | 25 | 30 | 1 | 2 | 1 | 20 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 9.5 | 5 |
| 3 | 32 | 515311 | 3 | -1 | -1 | -1 | 5 | 1.5 | 20 | 2 | -1 | 9 | 6 | 3 | 8 | 9 | 0 | 10 | 6 |
| 3 | 32 | 213111 | 4 | 25 | 30 | 2 | 8 | 4 | 15 | 0 | 6 | 4 | 5 | 2 | 7 | 8 | 0 | 6 | 0 |
| 3 | 32 | 413111 | 3 | 20 | 25 | 4 | 8 | 3 | 10 | 0 | 7 | 5 | 0 | 2 | 0 | 0 | 0 | 6 | 0 |
| 3 | 32 | 311111 | 3 | 20 | 25 | 3 | 10 | 4 | 10 | 0 | 6 | 4 | 5 | 2 | 7 | 8 | 0 | 6 | 0 |
| 3 | 32 | 313111 | 3 | 30 | 30 | 1.5 | 5 | 3 | 20 | 0 | 7 | 5 | 0 | 2 | 7.5 | 8.5 | 0 | 7 | 6 |
| 3 | 32 | 515223 | 4 | -1 | -1 | -1 | 0.5 | -1 | 30 | 2 | -1 | -1 | -1 | 2 | -1 | -1 | 2 | -1 | -1 |
| 3 | 32 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | 0 | 3 | 6 | 5 | 2 | 6.5 | 7.5 | 0 | 6 | 6 |
| 3 | 32 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 2 | -1 | -1 | 6 | 2 | -1 | -1 | 2 | -1 | -1 |
| 3 | 32 | 212111 | 3 | 20 | 25 | 2 | 6 | 4 | 10 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 | 32 | 514111 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 2 | -1 | -1 | 5.5 | 2 | 7 | 8.5 | 0 | 7 | 5 |
| 3 | 32 | 313112 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 2 | -1 | -1 | 6 | 2 | 7 | 8 | 0 | -1 | -1 |
| 3 | 32 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 12 | 2 | -1 | -1 | 5 | 2 | 7 | 8 | 0 | -1 | -1 |
| 3 | 32 | 513111 | 3 | 20 | 30 | 2 | 6 | 3 | 10 | 0 | 7 | 5 | 5 | 2 | 7 | 8 | 0 | 8 | 6 |
| 3 | 32 | 123111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 2 | -1 | -1 | 5 | 2 | 7 | 8 | 0 | -1 | -1 |
| 3 | 32 | 334231 | 3 | 20 | 25 | 2 | 4 | 1 | 12.5 | 2 | 7 | 5 | 6 | 2 | 8 | 0 | 0 | 7 | 6 |
| 3 | 32 | 113111 | 3 | 17 | 23 | 3.5 | 10 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 | 32 | 521111 | 3 | -1 | -1 | -1 | -1 | -1 | 12 | 2 | 7 | 5 | 6 | 2 | 8 | 9 | 0 | 7 | 5.5 |
| 3 | 32 | 115121 | 3 | 20 | 25 | 1 | 2 | 2 | 12 | 2 | 6 | 0 | 5 | 2 | 7 | 8 | 0 | 6 | 5 |
| 3 | 32 | 211111 | 4 | 15 | 20 | 4 | 10 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 32 | 224111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 2 | 6 | 4 | 5 | 2 | 7 | 8 | 0 | 6 | 5 |
| 3 | 32 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 32 | 312111 | 4 | 16.5 | 20.5 | 2 | 5.5 | 2 | 10 | 2 | 6 | 4 | 5 | 2 | 7 | 8 | 0 | 6 | 5 |
| 3 | 32 | 314112 | 3 | 17 | 23 | 1 | 2 | 1.5 | 10 | 2 | 7 | 5 | 5 | 2 | 7 | 8.5 | 0 | 7.5 | 5.5 |
| 3 | 32 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 2 | 6 | 4 | 6 | 2 | 7 | 8 | 0 | 7.5 | 5.5 |
| 3 | 32 | 412111 | 3 | 20 | 25 | 2 | 4 | 2 | 12 | 0 | 6 | 4 | 0 | 2 | 7 | 8 | 0 | 6 | 4.5 |
| 3 | 32 | 414111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 2 | 7 | 5 | 5 | 2 | 8 | 9 | 0 | 7 | 5.5 |
| 3 | 32 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 12 | 0 | 7 | 5 | 0 | 2 | 7 | 8 | 0 | 7.5 | 5.5 |

PLATOON SERGEANT OF A 30 MAN TANK PLATOON WITH 7 TANKS SUPPORTING THE TRAINING GIVEN AT THE U.S. ARMY ARMOR SCHOOL FT. KNOX, KY.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER : | 77 | 6 |
| MOS | :19E3 | GUNNER : | 76 | 2 |
| IN ARMY | : 9YR 6MO | LOADER : | 74 | 6 |
| IN ARTILLERY | : 9YR 6 | DRIVER : | 75 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 33 | 411111 | 4 | 20 | 25 | 2 | 5 | 5 | 5 | 3 | 7 | 5 | 0 | 3 | 10 | 10 | 0 | 7 | 5 |
| 3 33 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 33 | 114111 | 4 | 60 | 120 | 1 | 1 | 2 | 30 | 5 | 10 | 10 | 5 | 2 | 10 | 10 | 0 | 15 | 10 |
| 3 33 | 515311 | 4 | 60 | 60 | 1 | 1 | 2 | 20 | 5 | 30 | 30 | 15 | 5 | 10 | 10 | 2 | 20 | 10 |
| 3 33 | 213111 | 4 | 20 | 30 | 2 | 4 | 8 | 10 | 2 | 7 | 5 | 5 | 2 | 8 | 8 | 0 | 8 | 5 |
| 3 33 | 413111 | 4 | 0 | 0 | 3 | 5 | 7 | 15 | 3 | 6 | 5 | 5 | 2 | 8 | 8 | 0 | 7 | 0 |
| 3 33 | 311111 | 4 | 20 | 30 | 2 | 5 | 5 | 15 | 3 | 8 | 5 | 5 | 2 | 8 | 8 | 0 | 9 | 0 |
| 3 33 | 313111 | 4 | 20 | 30 | 2 | 4 | 5 | 10 | 3 | 10 | 10 | 5 | 2 | 10 | 10 | 0 | 15 | 5 |
| 3 33 | 515223 | 4 | 45 | 60 | 1 | 0.5 | 2 | 25 | 10 | 20 | 30 | 10 | 5 | 20 | 25 | 5 | 35 | 10 |
| 3 33 | 414112 | 4 | 25 | 40 | 1 | 1 | 3 | 20 | 5 | 10 | 20 | 15 | 5 | 25 | 15 | 2 | 15 | 5 |
| 3 33 | 535111 | 4 | 60 | 80 | 2 | 2 | 5 | 10 | 4 | 20 | 12 | 16 | 4 | 24 | 28 | 2 | 20 | 15 |
| 3 33 | 112111 | 4 | 20 | 25 | 2 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 |
| 3 33 | 514111 | 4 | 60 | 80 | 1 | 1 | 3 | 20 | 5 | 20 | 15 | 20 | 5 | 30 | 20 | 2 | 25 | 10 |
| 3 33 | 313112 | 4 | 45 | 60 | 2 | 3 | 5 | 15 | 3 | 15 | 10 | 10 | 5 | 20 | 20 | 2 | 15 | 10 |
| 3 33 | 315113 | 4 | 75 | 90 | 1 | 1 | 3 | 20 | 6 | 30 | 20 | 25 | 6 | 35 | 40 | 3 | 30 | 20 |
| 3 33 | 513111 | 4 | 30 | 45 | 2 | 2 | 5 | 10 | 2 | 10 | 5 | 10 | 2 | 15 | 10 | 2 | 15 | 10 |
| 3 33 | 123111 | 4 | 30 | 45 | 2 | 2 | 4 | 15 | 2 | 10 | 10 | 10 | 2 | 10 | 15 | 2 | 15 | 10 |
| 3 33 | 334231 | 4 | 90 | 120 | 1 | 1 | 2 | 15 | 6 | 30 | 20 | 25 | 6 | 35 | 30 | 6 | 30 | 20 |
| 3 33 | 113111 | 4 | 0 | 0 | 2 | 5 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 |
| 3 33 | 521111 | 4 | 45 | 60 | 2 | 3 | 5 | 10 | 4 | 20 | 12 | 16 | 4 | 25 | 25 | 4 | 20 | 5 |
| 3 33 | 113121 | 4 | 20 | 30 | 2 | 5 | 5 | 5 | 2 | 10 | 5 | 10 | 2 | 10 | 10 | 2 | 15 | 5 |
| 3 33 | 211111 | 4 | 45 | 60 | 2 | 3 | 5 | 10 | 3 | 15 | 10 | 10 | 3 | 20 | 15 | 3 | 15 | 10 |
| 3 33 | 224111 | 4 | 60 | 50 | 1 | 1 | 5 | 15 | 5 | 25 | 15 | 15 | 5 | 30 | 30 | 5 | 35 | 10 |
| 3 33 | 415314 | 4 | 120 | 240 | 0.5 | 0.5 | 2 | 20 | 10 | 50 | 45 | 40 | 10 | 30 | 30 | 5 | 45 | 15 |
| 3 33 | 312111 | 4 | 45 | 60 | 2 | 3 | 5 | 15 | 3 | 15 | 10 | 10 | 3 | 20 | 20 | 2 | 15 | 10 |
| 3 33 | 314112 | 4 | 45 | 60 | 1 | 1 | 3 | 10 | 5 | 25 | 15 | 15 | 5 | 30 | 30 | 3 | 30 | 20 |
| 3 33 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | 25 | 10 | 45 | 30 | 45 | 10 | 45 | 45 | 2 | -1 | -1 |
| 3 33 | 412111 | 4 | 70 | 40 | 2 | 3 | 5 | 15 | 3 | 10 | 10 | 10 | 3 | 15 | 10 | 2 | 10 | 10 |
| 3 33 | 414111 | 4 | 60 | 120 | 1 | 1 | 3 | 20 | 5 | 20 | 15 | 20 | 5 | 30 | 30 | 3 | 30 | 15 |
| 3 33 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | 30 | 15 | 45 | 60 | 60 | 15 | 40 | 40 | 5 | -1 | -1 |

I HAVE A PLT SGT AND A HA PLT SGT

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-6 | | TANK COMMANDER | 74 | 8 |
| MOS | :19F3 | | GUNNER | : 73 | 1 6 |
| IN ARMY | :11YR | 8MO | LOADER | : | |
| IN ARTILLERY | :11YR | 8 | DRIVER | : 72 | 1 8 |

WHEN

COMBAT :N

ARTIL. COMBAT:N  %SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 34 | 411111 | 4 | 20 | 45 | 4.5 | 20 | 12 | 30 | 4 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 9 | 8 |
| 3 34 | 515431 | 4 | -1 | -1 | -1 | -1 | -1 | 300 | 8 | 15 | 15 | 10 | 6 | 10 | 15 | -1 | -1 | -1 |
| 3 34 | 114111 | 4 | -1 | -1 | -1 | -1 | -1 | 360 | 10 | -1 | -1 | 15 | 10 | 15 | 15 | -1 | -1 | -1 |
| 3 34 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | 300 | 5 | 8 | 7 | 7 | 0 | 0 | 0 | 0 | 8 | 10 |
| 3 34 | 213111 | 4 | 20 | 30 | 4 | 8 | 14 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 34 | 413111 | 4 | 20 | 35 | 3 | 5 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 9 |
| 3 34 | 311111 | 4 | 0 | 0 | 5 | 10 | 15 | 25 | 3 | 8 | 5 | 6 | 4 | 10 | 13 | 0 | 9 | 0 |
| 3 34 | 313111 | 4 | 20 | 45 | 3.5 | 5 | 14 | 45 | 3 | 8 | 7 | 6 | 3 | 8 | 9 | 0 | 9 | 8 |
| 3 34 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | 120 | 3 | 9 | -1 | 6 | 6 | 12 | 10 | 0 | -1 | -1 |
| 3 34 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 34 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | -1 | -1 |
| 3 34 | 112111 | 4 | 0 | 0 | 5 | 15 | 20 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 34 | 514111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 8 | 7 | 8 | 10 | -1 | -1 | 5 | -1 | -1 |
| 3 34 | 313112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 9 | 7 | 6 | 5 | 10 | -1 | 0 | -1 | -1 |
| 3 34 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 8 | 15 | -1 | 0 | -1 | -1 |
| 3 34 | 513111 | 4 | 25 | 35 | 2 | 5 | 7 | 45 | 3 | 8 | 6 | 7 | 5 | 10 | 15 | 0 | 15 | 15 |
| 3 34 | 123111 | 4 | 25 | 40 | 4 | 8 | 11 | 48 | 3 | 6 | 5 | 8 | 3 | 9 | 10 | 0 | 12 | 10 |
| 3 34 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 34 | 113111 | 4 | 0 | 0 | 5 | 15 | 20 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 7 |
| 3 34 | 521111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 34 | 113121 | 4 | 0 | 0 | 4.5 | 10 | 20 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 |
| 3 34 | 211111 | 4 | 0 | 0 | 5 | 15 | 16 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 34 | 224111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | -1 | 15 |
| 3 34 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 34 | 312111 | 4 | 25 | 45 | 3.5 | 5 | 10 | 55 | 0 | 0 | 5 | 6 | 5 | 9 | 9 | 0 | 12 | 10 |
| 3 34 | 314112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | -1 | -1 | 10 | 5 | 12 | 15 | 5 | -1 | -1 |
| 3 34 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | -1 | -1 | 10 | 6 | 15 | 18 | 5 | -1 | -1 |
| 3 34 | 412111 | 4 | 25 | 45 | 3 | 5 | 6 | 50 | 0 | 8 | 6 | 7 | 5 | 9 | 10 | 3 | 15 | 12 |
| 3 34 | 414111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 10 | 8 | 6 | 5 | 9 | 9 | 3 | -1 | -1 |
| 3 34 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

PLT SGT IN A ARMOR CAVALRY

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER : | 75 | 7 |
| MOS | :19E | GUNNER : | 72 | 3 |
| IN ARMY | :10YR 6MO | LOADER : | | |
| IN ARTILLERY | :10YR 6 | DRIVER : | | |

WHEN

COMBAT :N

ARTIL. COMBAT:N #SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
999=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

M60 TANK CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 36 | 411111 | 4 | 20 | 25 | 8 | 20 | 20 | 10 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 7 | 0 |
| 3 | 36 | 515431 | 4 | -1 | -1 | 999 | 999 | 999 | 60 | 4 | 10 | 7 | 8 | 6 | 10 | 12 | 3 | 15 | 10 |
| 3 | 36 | 114111 | 4 | 30 | 45 | 5 | 8 | 9 | 11 | 2 | 8 | 5 | 6 | 3 | 0 | 10 | 3 | 10 | 6 |
| 3 | 36 | 515311 | 3 | 60 | 100 | 2 | 5 | 4 | 40 | 4 | 8 | 6 | 10 | 5 | 9 | 11 | 3 | 12 | 10 |
| 3 | 36 | 213111 | 3 | 30 | 45 | 4 | 6 | 8 | 20 | 2 | 0 | 0 | 6 | 3 | 0 | 0 | 2 | 0 | 0 |
| 3 | 36 | 413111 | 3 | 60 | -1 | 4 | 4 | 3 | 40 | 3 | 0 | 5 | 7 | 3 | 0 | 8 | 3 | 8 | 6 |
| 3 | 36 | 311111 | 3 | 45 | 70 | 3 | 4 | 3 | 20 | 3 | 8 | 5 | 6 | 4 | 9 | 11 | 3 | 9 | 8 |
| 3 | 36 | 313111 | 4 | 20 | 30 | 8 | 20 | 15 | 15 | 3 | 0 | 0 | 5 | 2 | 0 | 9 | 0 | 7 | 6 |
| 3 | 36 | 515223 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 414112 | 3 | 60 | 120 | -1 | -1 | -1 | -1 | 5 | 10 | 10 | 10 | 6 | 14 | 15 | 4 | 13 | 12 |
| 3 | 36 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 112111 | 4 | 30 | 40 | 4 | 5 | 10 | 15 | 2 | 0 | 5 | 6 | 3 | 0 | 0 | 2 | 7 | 6 |
| 3 | 36 | 514111 | 4 | 60 | 80 | 2 | 2 | 4 | 30 | 5 | 10 | 7 | 8 | 5 | 9 | 12 | 4 | 10 | 12 |
| 3 | 36 | 313112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 515111 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 123111 | 3 | 60 | 100 | 3 | 4 | 5 | 30 | 4 | 7 | 8 | 9 | 4 | 10 | 10 | 4 | 11 | 12 |
| 3 | 36 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 113111 | 4 | 30 | 40 | 4 | 5 | 10 | 15 | 2 | 0 | 5 | 6 | 3 | 0 | 0 | 2 | 7 | 6 |
| 3 | 36 | 521111 | 4 | 75 | 120 | 2 | 2 | 5 | 40 | 4 | 8 | 9 | 10 | 4 | 10 | 14 | 5 | 14 | 12 |
| 3 | 36 | 113121 | 4 | 80 | 90 | 2 | 2 | 5 | 20 | 4 | 8 | 8 | 7 | 5 | 10 | 10 | 4 | 12 | 13 |
| 3 | 36 | 211111 | 3 | 45 | 999 | 4 | 3 | 2 | 30 | 4 | 0 | 6 | 10 | 5 | 10 | 12 | 3 | 10 | 10 |
| 3 | 36 | 224111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 36 | 312111 | 4 | 60 | 60 | 2 | 2 | 3 | 45 | 4 | 10 | 9 | 9 | 4 | 11 | 14 | 3 | 10 | 14 |
| 3 | 36 | 314112 | 4 | 60 | 60 | 2 | 2 | 3 | 45 | 4 | 10 | 9 | 9 | 4 | 11 | 14 | 3 | 10 | 14 |
| 3 | 36 | 314113 | 4 | 45 | 999 | 2 | -1 | -1 | 999 | 6 | 10 | 10 | 14 | 9 | 12 | 15 | 3 | 12 | 12 |
| 3 | 36 | 412111 | 4 | 20 | 30 | 8 | 20 | 15 | 15 | 3 | 0 | 0 | 5 | 2 | 0 | 9 | 0 | 7 | 6 |
| 3 | 36 | 414111 | 4 | 40 | 30 | 2 | 2 | 3 | 30 | 4 | 9 | 8 | 10 | 7 | 10 | 12 | 3 | 10 | 8 |
| 3 | 36 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

PLT SGT ARMORED CAV PLT. SUPERVISED MAINT OF 5 M113A1 4 M60A1 TRAINING OF BOTH 19D AND 19E E-6 AND BELOW

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE :E-6 | TANK COMMANDER | : | 74 | 8 |
| MOS :19E30 | GUNNER | : | 74 | 5 |
| IN ARMY :11YR | LOADER | : | 73 | 4 |
| IN ARTILLERY :11YR | DRIVER | : | 72 | 1 6 |

WHEN
COMBAT :N
ARTIL. COMBAT:N  %SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
5990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| GROUP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | UFP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 37 | 411111 | 3 | 25 | 35 | 6 | 15 | 5 | 35 | 3 | 6 | 5 | 6 | 3 | 9 | 9 | 0 | 7 | 0 |
| 3 37 | 515431 | 3 | -1 | -1 | 1 | 2 | 1 | 60 | 11 | 15 | -1 | 11 | -1 | 15 | 15 | 2 | -1 | 15 |
| 3 37 | 114111 | 3 | 30 | 40 | 2 | 5 | 4 | 60 | 2 | 8 | 6 | 0 | 3 | 8 | 8 | 0 | 9 | 5 |
| 3 37 | 515311 | 3 | -1 | -1 | 1 | 2 | 2 | 85 | 3 | 15 | 6 | 5 | 5 | 12 | 12 | 0 | 30 | 15 |
| 3 37 | 213111 | 3 | 25 | 35 | 4 | 5 | 5 | 35 | 3 | 0 | 4 | 0 | 2 | 0 | 10 | 0 | 8 | 0 |
| 3 37 | 413111 | 3 | 35 | 50 | 2 | 6 | 5 | 60 | 4 | 10 | 6 | 8 | 3 | 9 | 11 | 0 | 11 | 5 |
| 3 37 | 311111 | 3 | 30 | 40 | 4 | 5 | 5 | 60 | 2 | 6 | 4 | 6 | 2 | 8 | 8 | 0 | 8 | 0 |
| 3 37 | 313111 | 3 | 45 | 50 | 2 | 5 | 5 | 60 | 3 | 8 | 5 | 5 | 3 | 9 | 11 | 0 | 11 | 0 |
| 3 37 | 515223 | 3 | -1 | -1 | 0.5 | 2 | 1 | 95 | 6 | 15 | 15 | 7 | 5 | 17 | 20 | 5 | -1 | 15 |
| 3 37 | 414112 | 3 | -1 | -1 | 0.5 | 1 | 1 | 95 | 5 | 15 | 9 | 12 | 5 | 15 | 17 | 3 | -1 | 8 |
| 3 37 | 535111 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 95 | 8 | 20 | 25 | 10 | 10 | 20 | 21 | 8 | -1 | 15 |
| 3 37 | 112111 | 3 | 20 | 30 | 3 | 5 | 5 | 50 | 3 | 8 | 6 | 6 | 3 | 8 | 9 | 0 | 11 | 0 |
| 3 37 | 514111 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 95 | 5 | 20 | 20 | 12 | 5 | 11 | 13 | 3 | 15 | 6 |
| 3 37 | 313112 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 90 | 6 | 18 | 15 | 8 | 9 | 15 | 13 | 3 | -1 | 10 |
| 3 37 | 315113 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 95 | 8 | 30 | 30 | 10 | 10 | 25 | 28 | 3 | -1 | 15 |
| 3 37 | 513111 | 3 | 40 | 60 | 2 | 5 | 3 | 95 | 8 | 15 | 15 | 9 | 5 | 15 | 17 | 2 | 15 | 8 |
| 3 37 | 123111 | 3 | 30 | 40 | 2 | 2 | 1 | 85 | 3 | 10 | 7 | 7 | 5 | 9 | 10 | 0 | 11 | 0 |
| 3 37 | 334231 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 120 | 9 | 15 | 12 | 10 | 5 | 12 | 14 | 2 | -1 | 10 |
| 3 37 | 113111 | 3 | 20 | 35 | 4 | 5 | 6 | 55 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 0 | 8 | 0 |
| 3 37 | 521111 | 3 | 30 | 60 | 3 | 4 | 1 | 60 | 5 | 15 | 15 | 8 | 5 | 13 | 15 | 0 | 11 | 0 |
| 3 37 | 113121 | 3 | -1 | -1 | 1 | 1 | 1 | 60 | 3 | 9 | 7 | 8 | 4 | 10 | 12 | 0 | 18 | 5 |
| 3 37 | 211111 | 3 | 30 | 40 | 2 | 4 | 1 | 70 | 3 | 8 | 6 | 5 | 4 | 13 | 15 | 0 | 12 | 0 |
| 3 37 | 224111 | 3 | -1 | -1 | 1 | 1 | 1 | 110 | 5 | 12 | 10 | 7 | 7 | 16 | 17 | 3 | 35 | 8 |
| 3 37 | 415314 | 3 | -1 | -1 | -1 | -1 | 1 | 240 | 10 | -1 | 15 | 10 | -1 | -1 | -1 | 5 | -1 | 15 |
| 3 37 | 312111 | 3 | -1 | -1 | -1 | -1 | 2 | 120 | 5 | 15 | 15 | 7 | 4 | 15 | 16 | 2 | 18 | 6 |
| 3 37 | 314112 | 3 | 45 | -1 | 2 | 2 | 1 | 105 | 8 | 25 | 25 | 12 | 8 | 20 | 25 | 3 | -1 | 8 |
| 3 37 | 314113 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 200 | 8 | 25 | 25 | 10 | 15 | 25 | 30 | 3 | -1 | 10 |
| 3 37 | 412111 | 3 | 40 | 55 | 2 | 1 | 1 | 220 | 5 | 12 | 12 | 8 | 6 | 14 | 16 | 2 | 13 | 6 |
| 3 37 | 414111 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 225 | 5 | 15 | 15 | 8 | 5 | 12 | 15 | 5 | 20 | 8 |
| 3 37 | 525111 | 3 | -1 | -1 | 0.5 | 0.5 | 1 | 225 | 9 | 25 | 25 | 12 | 15 | 22 | 25 | 3 | -1 | 10 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 8 75 | 1 6 |
| MOS | :19F30 | GUNNER | : 74 | 1 |
| IN ARMY | :10YR | LOADER | : 72 | 2 |
| IN ARTILLERY | :10YR | DRIVER | : | |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP CON COMP | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 39 | 411111 4 | 30 | 60 | 3 | 20 | 5 | 20 | 8 | 10 | 9 | 7 | 5 | 8 | 9 | 3 | 6 | 6 |
| 3 39 | 515031 0 | -1 | -1 | 1 | 5 | 1 | 30 | 10 | 12 | 10 | 10 | 9 | 8 | 10 | 3 | 12 | 12 |
| 3 39 | 114111 0 | -1 | -1 | 1 | 10 | 3 | 30 | 7 | 10 | 10 | 7 | 5 | 8 | 10 | 3 | 8 | 8 |
| 3 39 | 515311 0 | -1 | -1 | 2 | 5 | 2 | 25 | 6 | 10 | 12 | 9 | 7 | 8 | 10 | 3 | 10 | 8 |
| 3 39 | 213111 4 | 20 | 30 | 5 | 20 | 6 | 20 | 5 | 6 | 5 | 5 | 3 | 0 | 8 | 3 | 7 | 6 |
| 3 39 | 413111 4 | 20 | 30 | 3 | 20 | 5 | 16 | 6 | 6 | 5 | 6 | 3 | 0 | 9 | 3 | 8 | 8 |
| 3 39 | 311111 0 | 19 | 22 | 6 | 30 | 7 | 15 | 3 | 7 | 10 | 6 | 4 | 0 | 0 | 3 | 0 | 5 |
| 3 39 | 313111 0 | 19 | 30 | 6 | 30 | 6 | 18 | 5 | 7 | 6 | 6 | 3 | 0 | 8 | 3 | 0 | 5 |
| 3 39 | 515223 0 | -1 | -1 | 1 | 5 | 1 | 35 | 7 | 8 | 10 | 8 | 3 | 0 | 10 | 5 | 12 | 12 |
| 3 39 | 414112 0 | 40 | 60 | 2 | 10 | 2 | 25 | 10 | 11 | 10 | 10 | 10 | 9 | 10 | 6 | 10 | 9 |
| 3 39 | 535111 0 | -1 | -1 | 1 | 3 | -1 | 25 | 10 | 12 | 12 | 9 | 5 | 8 | 10 | 10 | 13 | 10 |
| 3 39 | 112111 4 | 15 | 30 | 4 | 20 | 5 | 15 | 5 | 0 | 5 | 6 | 3 | 0 | 0 | 3 | 0 | 6 |
| 3 39 | 514111 0 | -1 | -1 | 1 | 3 | -1 | 15 | 10 | 9 | 10 | 8 | 3 | 8 | 9 | 5 | 9 | 8 |
| 3 39 | 313112 0 | 20 | -1 | 1 | 5 | 2 | 15 | 6 | 8 | 8 | 8 | 5 | 0 | 0 | 5 | 10 | 8 |
| 3 39 | 315113 4 | -1 | -1 | 1 | 5 | -1 | 15 | 8 | 8 | 8 | 8 | 5 | 0 | 8 | 5 | 12 | 9 |
| 3 39 | 513111 0 | 15 | 20 | 5 | 15 | 5 | 10 | 6 | 6 | 6 | 6 | 3 | 0 | 0 | 3 | 0 | 5 |
| 3 39 | 123111 4 | 15 | 20 | 6 | 20 | 5 | 15 | 5 | 6 | 4 | 5 | 3 | 0 | 0 | 3 | 0 | 5 |
| 3 39 | 334231 4 | -1 | -1 | -1 | 3 | -1 | 15 | 10 | 10 | 9 | 8 | 3 | 8 | 0 | 3 | 7 | 8 |
| 3 39 | 113111 4 | 15 | 20 | 4 | 21 | 5 | 15 | 5 | 0 | 6 | 5 | 3 | 0 | 0 | 3 | 0 | 5 |
| 3 39 | 521111 0 | -1 | -1 | -1 | 5 | 2 | 15 | 5 | 0 | 5 | 5 | 3 | 0 | 0 | 3 | 0 | 6 |
| 3 39 | 113121 0 | 25 | 30 | 5 | 17 | 5 | 15 | 6 | 0 | 6 | 6 | 3 | 0 | 0 | 3 | 8 | 7 |
| 3 39 | 211111 0 | 15 | 20 | 6 | 30 | 5 | 13 | 5 | 0 | 5 | 7 | 3 | 0 | 0 | 3 | 7 | 8 |
| 3 39 | 224111 0 | -1 | -1 | 1 | 3 | -1 | 20 | 9 | 10 | 8 | 9 | 5 | 0 | 0 | 3 | 11 | 10 |
| 3 39 | 415314 0 | -1 | -1 | -1 | 2 | -1 | 25 | 10 | 12 | 12 | 9 | 5 | 0 | 10 | 4 | 999 | 10 |
| 3 39 | 312111 0 | 15 | 40 | 3 | 7 | 3 | 15 | 8 | 7 | 6 | 7 | 3 | 0 | 9 | 3 | 8 | 6 |
| 3 39 | 314112 0 | -1 | -1 | -1 | 2 | -1 | 20 | 10 | 8 | 6 | 8 | 5 | 7 | 8 | 4 | 10 | 9 |
| 3 39 | 314113 0 | -1 | -1 | -1 | 2 | -1 | 20 | 10 | 10 | 6 | 8 | 4 | 8 | 9 | 3 | 10 | 8 |
| 3 39 | 412111 0 | 15 | 35 | 2 | 10 | 3 | 15 | 6 | 6 | 5 | 6 | 4 | 0 | 0 | 4 | 8 | 6 |
| 3 39 | 414111 0 | 16 | 35 | 2 | 13 | 3 | 12 | 10 | 8 | 9 | 8 | 3 | 0 | 9 | 4 | 10 | 8 |
| 3 39 | 525111 0 | -1 | -1 | 1 | 5 | -1 | 15 | 10 | 9 | 6 | 8 | 4 | 0 | 10 | 6 | 12 | 9 |

LOGISTICS CHIEF, TANK PLT SGT, GUNNERY AND TACTICS INSTRUCTOR, 25 MM CHAINGUN INSTRUCTOR, COMPANY TANK LDR, USMC

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | TANK COMMANDER | : 75 | 3 |
| MOS | : 1811 | GUNNER | : 74 | 2 |
| IN ARMY | :11YR | LOADER | : 71 | 2 |
| IN ARTILLERY | :11YR | DRIVER | : 72 | 3 |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW SYMP CON RESP COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 40 411111 4 | 40 | 50 | 3 | 10 | 3 | 15 | 2 | 6 | 5 | 5 | 2 | 7 | 9 | 2 | 8 | 5 |
| 3 40 515431 3 | -1 | -1 | 1 | 2 | 1 | 45 | 5 | 12 | 15 | 10 | 4 | 10 | 15 | 4 | 50 | 12 |
| 3 40 114111 4 | 25 | 40 | 3.5 | 8 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 40 515311 4 | -1 | -1 | -1 | 0.5 | -1 | 30 | 4 | 10 | 10 | 20 | 8 | 9 | 15 | 3 | 10 | 8 |
| 3 40 213111 4 | 17 | 30 | 4 | 17 | 5 | 15 | 3 | 8 | 7 | 6 | 2 | 9 | 12 | 2 | 9 | 5 |
| 3 40 413111 4 | 20 | 30 | 5 | 20 | 4 | 15 | 2 | 0 | 4 | 6 | 0 | 8 | 10 | 0 | 7 | 0 |
| 3 40 311111 4 | 16 | 30 | 4 | 15 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 40 313111 4 | [illegible] | 40 | 4 | 15 | 5 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 40 515223 4 | 57 | 90 | 1 | 5 | 5 | 25 | 4 | 11 | 9 | 10 | 3 | 9 | 12 | 2 | 10 | 7 |
| 3 40 414112 4 | 40 | 75 | 4 | 4 | 5 | 27 | 2 | 7 | 5 | 10 | 3 | 9 | 12 | 2 | 10 | 5 |
| 3 40 535111 4 | 45 | -1 | 3 | 4 | 2 | 30 | 3 | 9 | 7 | [illegible] | 3 | 10 | 15 | 2 | 11 | 6 |
| 3 40 112111 4 | 17 | 25 | 5 | 20 | 7 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 40 514111 4 | 19 | 45 | 3 | 10 | 4 | 18 | 2 | 7 | 6 | 8 | 2 | 8 | 9 | 2 | 8 | 5 |
| 3 40 313112 4 | 40 | 80 | 2 | 5 | 3 | 16 | 3 | 9 | 7 | 9 | 3 | 9 | 10 | 2 | 9 | 5 |
| 3 40 315113 4 | -1 | -1 | -1 | 2 | 1 | 23 | 3 | 10 | 9 | 8 | 3 | 10 | 14 | 3 | 12 | 7 |
| 3 40 513111 4 | 20 | 55 | 3 | 5 | 2 | 17 | 2 | 7 | 5 | 6 | 3 | 7 | 10 | 0 | 7 | 5 |
| 3 40 123111 4 | 17 | 21 | 4 | 10 | 3 | 17 | 2 | 7 | 5 | 6 | 2 | 8 | 9 | 2 | 2 | 6 |
| 3 40 334231 4 | 0 | 0 | 4 | 12 | 3 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 40 113111 4 | 0 | 0 | 5 | 20 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 40 521111 4 | 999 | 999 | 4 | 20 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 7 | 9 | 0 | 8 | 0 |
| 3 40 113121 4 | 0 | 0 | 5 | 30 | 2 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 40 211111 4 | 0 | 22 | 5 | 20 | 6 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 40 224111 4 | 0 | 0 | 3 | 10 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 |
| 3 40 415314 4 | 20 | 40 | 2 | 7 | 2 | 30 | 3 | 8 | 9 | 10 | 3 | 10 | 12 | 2 | 10 | 5 |
| 3 40 312111 4 | 17 | 25 | 3 | 10 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 40 314112 4 | 18 | 30 | 2 | 4 | 2 | 17 | 0 | 6 | 7 | 9 | 0 | 0 | 9 | 0 | 7 | 0 |
| 3 40 314113 3 | 20 | 35 | 4 | 5 | 2 | 25 | 3 | 8 | 7 | 8 | 3 | 9 | 10 | 3 | 10 | 5 |
| 3 40 412111 4 | 17 | 30 | 4 | 20 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 40 414111 4 | 25 | 999 | 5 | 15 | 4 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 40 525111 4 | 40 | 70 | 2 | 5 | 3 | 20 | 3 | 10 | 7 | 10 | 3 | 9 | 10 | 3 | 12 | 7 |

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | : | 75 | 3 |
| MOS | :19F | GUNNER | : | 75 | 1 6 |
| IN ARMY | :10YR | LOADER | : | 74 | 1 |
| IN ARTILLERY | :10YR | DRIVER | : | 73 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CURR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 41 | 411111 | 8 | 10 | 30 | 4 | 10 | 8 | 8 | 2 | 7 | 4 | 7 | 2 | 8 | 8 | 2 | 7 | 5 |
| 3 41 | 515451 | 4 | 40 | 65 | 2 | 1 | 2 | 20 | 6 | 15 | 9 | 12 | 6 | 15 | 15 | 4 | 12 | 8 |
| 3 41 | 114111 | 9 | 20 | 35 | 3 | 2 | 4 | 15 | 4 | 8 | 8 | 8 | 4 | 8 | 10 | 3 | 8 | 6 |
| 3 41 | 515311 | 4 | 50 | 60 | 1 | -1 | -1 | 20 | 5 | 15 | 10 | 12 | 5 | 16 | 18 | 5 | 15 | 12 |
| 3 41 | 213111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 413111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 311111 | 4 | 20 | 35 | 4 | 5 | 4 | 12 | 2 | 6 | 5 | 7 | 2 | 8 | 8 | 2 | 7 | 6 |
| 3 41 | 313111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | 6 | 15 | 12 | 15 | 6 | 16 | 17 | 6 | 20 | 12 |
| 3 41 | 414112 | 8 | 50 | 80 | 1 | -1 | -1 | 20 | 5 | 15 | 10 | 12 | 5 | 16 | 18 | 5 | 15 | 12 |
| 3 41 | 535111 | 4 | -1 | -1 | 1 | -1 | -1 | 20 | 6 | 15 | 12 | 15 | 6 | 16 | 17 | 6 | 20 | 12 |
| 3 41 | 112111 | 4 | 10 | 23 | 5 | 5 | 5 | 12 | 2 | 6 | 4 | 5 | 2 | 7 | 8 | 2 | 6 | 5 |
| 3 41 | 514111 | 4 | 35 | 65 | 2 | -1 | 2 | 20 | 6 | 15 | 12 | 15 | 6 | 16 | 17 | 6 | 20 | 12 |
| 3 41 | 313112 | 4 | 20 | 40 | 3 | 2 | 3 | 20 | 4 | 8 | 7 | 9 | 4 | 12 | 11 | 3 | 9 | 7 |
| 3 41 | 315113 | 4 | 50 | 60 | 1 | -1 | -1 | 20 | 6 | 17 | 12 | 14 | 6 | 18 | 20 | 7 | 17 | 10 |
| 3 41 | 513111 | 4 | 20 | 40 | 3 | 2 | 3 | 20 | 4 | 8 | 7 | 9 | 4 | 12 | 11 | 3 | 9 | 7 |
| 3 41 | 123111 | 4 | 25 | 70 | 4 | -1 | -1 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 12 | 6 |
| 3 41 | 534231 | 4 | 40 | 70 | -1 | -1 | 1 | 20 | 6 | 15 | 12 | 15 | 6 | 16 | 17 | 6 | 20 | 12 |
| 3 41 | 113111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 2 | 6 | 5 | 7 | 2 | 8 | 8 | 2 | 7 | 5 |
| 3 41 | 521111 | 4 | 20 | -1 | 1 | -1 | -1 | 20 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 113121 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 211111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 224111 | 4 | 20 | 60 | -1 | -1 | -1 | 20 | 4 | 8 | 8 | 0 | 4 | 12 | 12 | 4 | 10 | 6 |
| 3 41 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | 5 | 10 | 12 | 12 | 5 | 13 | 14 | 6 | 25 | 10 |
| 3 41 | 312111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 314112 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 314113 | 4 | 40 | 70 | -1 | -1 | 1 | 20 | 6 | 15 | 12 | 15 | 6 | 16 | 17 | 6 | 20 | 12 |
| 3 41 | 412111 | 4 | 20 | 40 | 4 | 5 | 4 | 15 | 3 | 7 | 6 | 8 | 3 | 10 | 10 | 2 | 8 | 6 |
| 3 41 | 414111 | 4 | 30 | 50 | 2 | 2 | 2 | 20 | 4 | 8 | 7 | 9 | 4 | 12 | 12 | 4 | 10 | 8 |
| 3 41 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | 25 | 5 | 20 | 10 | .18 | 5 | 22 | 20 | 5 | 15 | 10 |

PLATOON COMMANDER TANK PLATOON STATIONED OKINAWA, JAPAN AND REPUBLIC OF KOREA AND REPUBLIC OF PHILIPPINES, USMC

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE :E-7 | TANK COMMANDER | : | 72 | 5 |
| MOS : 1811 | GUNNER | : | 71 | 6 |
| IN ARMY :13YR | LOADER | : | 71 | 6 |
| IN ARTILLERY :11YR | DRIVER | : | 70 | 6 |

COMBAT WHEN :Y 69 70

ARTIL. COMBAT:N #SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STUP |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIMULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 42 | 411111 | 0 | 40 | 60 | 2 | 10 | 2 | 60 | 5 | 10 | 7 | 7 | 5 | 8 | 9 | 4 | 8 | 5 |
| 3 42 | 5154[illegible] | 0 | -1 | -1 | -1 | 2 | -1 | 70 | 20 | 30 | 25 | 20 | 10 | 25 | 20 | 10 | 40 | 6 |
| 3 42 | 1[illegible]111 | 0 | 30 | 50 | 1 | 5 | 3 | 40 | 6 | 10 | 10 | 7 | 4 | 9 | 9 | 2 | 9 | 5 |
| 3 42 | 515311 | 0 | 60 | -1 | 1 | 5 | 2 | 45 | 4 | 7 | 7 | 6 | 3 | 7 | 9 | 3 | 10 | 5 |
| 3 42 | 213111 | 3 | 20 | 40 | 2 | 10 | 3 | 30 | 0 | 6 | 4 | 0 | 3 | 7 | 0 | 3 | 7 | 0 |
| 3 42 | 413111 | 0 | 30 | 45 | 1 | 5 | 3 | 45 | 3 | 7 | 6 | 5 | 3 | 7 | 9 | 3 | 9 | 5 |
| 3 42 | 311111 | 3 | 40 | 60 | 1 | 5 | 2 | 40 | 3 | 7 | 5 | 5 | 3 | 9 | 10 | 3 | 9 | 5 |
| 3 42 | 313111 | 0 | 40 | 50 | 1 | 3 | 2 | 45 | 3 | 7 | 7 | 6 | 3 | 9 | 9 | 3 | 9 | 5 |
| 3 42 | 515223 | 0 | -1 | -1 | -1 | 1 | -1 | 60 | 5 | 10 | 10 | 8 | 4 | 12 | 15 | 3 | 15 | 7 |
| 3 42 | 414112 | 3 | 30 | 40 | 1 | 5 | 2 | 30 | 2 | 7 | 7 | 6 | 3 | 8 | 10 | 2 | 9 | 5 |
| 3 42 | 535111 | 0 | -1 | -1 | -1 | 1 | -1 | 70 | 4 | 9 | 8 | 6 | 3 | 10 | 12 | 3 | 15 | 6 |
| 3 42 | 112111 | 0 | 20 | 40 | 2 | 5 | 3 | 45 | 2 | 7 | 5 | 5 | 2 | 8 | 8 | 0 | 7 | 0 |
| 3 42 | 514111 | 0 | -1 | -1 | 1 | 1 | -1 | 70 | 5 | 9 | 8 | 10 | 4 | 9 | 12 | 3 | 9 | 6 |
| 3 42 | 313112 | 0 | -1 | -1 | 1 | 2 | 2 | 50 | 2 | 6 | 5 | 0 | 2 | 0 | 9 | 0 | 8 | 0 |
| 3 42 | 315113 | 3 | -1 | -1 | 1 | 3 | 1 | 60 | 4 | 6 | 5 | 6 | 2 | 8 | 9 | 3 | 9 | 5 |
| 3 42 | 513111 | 3 | 25 | 60 | 1 | 5 | 2 | 50 | 4 | 6 | 5 | 6 | 2 | 7 | 9 | 2 | 9 | 0 |
| 3 42 | 123111 | 3 | 35 | 60 | 2 | 1 | 2 | 45 | 2 | 6 | 4 | 5 | 3 | 7 | 9 | 2 | 9 | 6 |
| 3 42 | 334231 | 0 | -1 | -1 | 1 | 2 | -1 | 60 | 5 | 9 | 7 | 8 | 3 | 9 | 10 | 2 | 10 | 6 |
| 3 42 | 113111 | 0 | 20 | 40 | 2 | 5 | 2 | 45 | 2 | 6 | 5 | 6 | 3 | 7 | 8 | 2 | 9 | 6 |
| 3 42 | 521111 | 0 | -1 | -1 | 1 | 1 | -1 | 60 | 4 | 8 | 9 | 7 | 4 | 8 | 9 | 2 | 12 | 6 |
| 3 42 | 113121 | 0 | 40 | 30 | 1 | 2 | 1 | 40 | 3 | 7 | 6 | 6 | 2 | 8 | 9 | 2 | 10 | 6 |
| 3 42 | 211111 | 0 | 40 | 60 | 1 | 4 | 2 | 40 | 4 | 6 | 6 | 6 | 2 | 8 | 9 | 2 | 10 | 6 |
| 3 42 | 224111 | 3 | 20 | 40 | 1 | 5 | 2 | 40 | 3 | 7 | 8 | 8 | 3 | 8 | 9 | 2 | 10 | 6 |
| 3 42 | 413314 | 0 | -1 | -1 | -1 | -1 | -1 | 70 | 5 | 12 | 10 | 12 | 3 | 10 | 13 | 3 | 16 | 7 |
| 3 42 | 312111 | 3 | 20 | 40 | 1 | 2 | 2 | 40 | 3 | 6 | 6 | 5 | 3 | 7 | 9 | 2 | 7 | 6 |
| 3 42 | 314112 | 3 | 40 | 60 | 1 | 2 | 1 | 60 | 2 | 6 | 6 | 5 | 2 | 8 | 9 | 2 | 10 | 6 |
| 3 42 | 314113 | 0 | -1 | -1 | -1 | 1 | -1 | 60 | 4 | 8 | 6 | 5 | 3 | 9 | 10 | 3 | 15 | 7 |
| 3 42 | 412111 | 0 | 40 | 60 | 1 | 2 | 1 | 60 | 3 | 7 | 6 | 5 | 2 | 9 | 8 | 2 | 9 | 6 |
| 3 42 | 414111 | 0 | -1 | -1 | -1 | 1 | -1 | 60 | 4 | 6 | 7 | 6 | 3 | 8 | 9 | 2 | 12 | 6 |
| 3 42 | 525111 | 0 | -1 | -1 | -1 | 1 | -1 | 70 | 5 | 12 | 9 | 7 | 4 | 10 | 15 | 3 | 15 | 7 |

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : | | TANK COMMANDER | 75 | 5 |
| MOS | :19E3YR4 | GUNNER : | 75 | 1 |
| IN ARMY | :10YR 4MO | LOADER : | 71 | 1 |
| IN ARTILLERY | :10YR 6 WHEN | DRIVER : | 72 | 2 |

COMBAT :N
ARTIL. COMBAT:N
#SUPERVISED : 50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP | COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 43 | 411111 | 4 | 25 | 60 | 4 | 3 | 6 | 45 | 0 | 0 | 7 | 10 | 7 | 0 | 0 | 0 | 7 | 7 |
| 3 | 43 | 515431 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | 7 | 15 | 20 | 10 | 0 | 0 | 10 | 0 | -1 | 15 |
| 3 | 43 | 114111 | 4 | 20 | 40 | 2 | 2 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 3 | 43 | 515311 | 4 | 30 | -1 | 2 | 1 | 2 | 30 | 0 | 7 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 3 | 43 | 213111 | 4 | 0 | 25 | 2 | 2 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 8 |
| 3 | 43 | 413111 | 4 | 25 | 60 | 2 | 2 | 5 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 3 | 43 | 311111 | 4 | 20 | 25 | 3 | 3 | 4 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 43 | 313111 | 4 | 20 | 35 | 3 | 3 | 3 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 10 |
| 3 | 43 | 515 23 | 3 | -1 | -1 | 1 | 1 | 2 | 40 | 0 | 10 | 20 | 20 | 10 | 0 | 10 | 0 | 20 | 10 |
| 3 | 43 | 414112 | 3 | 30 | -1 | 2 | 2 | 2 | 40 | 0 | 0 | 10 | 20 | 10 | 0 | 0 | 0 | 20 | 10 |
| 3 | 43 | 535111 | 3 | -1 | -1 | 1 | 40 | 1 | 45 | 0 | 7 | 10 | 10 | 10 | 0 | 15 | 0 | 20 | 10 |
| 3 | 43 | 112111 | 5 | 20 | 40 | 4 | 4 | 5 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 | 43 | 514111 | 3 | 30 | 40 | 2 | 2 | 3 | 40 | 0 | 0 | 10 | 10 | 0 | 0 | 10 | 0 | 15 | 10 |
| 3 | 43 | 313112 | 3 | -1 | -1 | 1 | 1 | 1 | 40 | 0 | 0 | 10 | 10 | 0 | 0 | 10 | 0 | 20 | 10 |
| 3 | 43 | 315113 | 2 | -1 | -1 | -1 | 30 | -1 | -1 | 5 | 10 | 10 | 10 | 0 | 0 | 10 | 5 | -1 | 15 |
| 3 | 43 | 513111 | 4 | 30 | 30 | 2 | 3 | 3 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 |
| 3 | 43 | 123111 | 5 | 20 | 30 | 3 | 4 | 4 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 43 | 334231 | 3 | 30 | 60 | 2 | 1 | 3 | 40 | 3 | 10 | 15 | 15 | 0 | 0 | 10 | 0 | 10 | 8 |
| 3 | 43 | 113111 | 5 | 0 | 30 | 2 | 4 | 3 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 43 | 521111 | 3 | 30 | 60 | 2 | 3 | 3 | 40 | 0 | 0 | 10 | 10 | 0 | 8 | 10 | 0 | 10 | 8 |
| 3 | 43 | 113121 | 5 | 30 | 30 | 2 | 3 | 3 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 6 |
| 3 | 43 | 211111 | 5 | 0 | 0 | 2 | 4 | 4 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 43 | 224111 | 4 | 30 | -1 | 1 | 2 | 3 | 40 | 0 | 10 | 15 | 15 | 0 | 0 | 10 | 0 | 15 | 10 |
| 3 | 43 | 415310 | 3 | -1 | -1 | -1 | 10 | -1 | 60 | 10 | 25 | 20 | 15 | 15 | 10 | 20 | 0 | -1 | 10 |
| 3 | 43 | 312111 | 4 | 25 | 70 | 2 | 1 | 2 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| 3 | 43 | 314112 | 3 | -1 | -1 | 1 | 1 | 2 | 40 | 5 | 10 | 20 | 15 | 5 | 10 | 20 | 0 | 20 | 10 |
| 3 | 43 | 314113 | 3 | -1 | -1 | -1 | 0.5 | 1 | 40 | 5 | 20 | 15 | 15 | 10 | 10 | 10 | 5 | 30 | 15 |
| 3 | 43 | 412111 | 4 | 25 | 60 | 2 | 3 | 3 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 8 |
| 3 | 43 | 414111 | 4 | -1 | -1 | 1 | 30 | 1 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 10 |
| 3 | 43 | 525111 | 3 | -1 | -1 | -1 | -1 | 1 | 60 | 5 | 15 | 30 | 30 | 10 | 10 | 20 | 5 | 30 | 15 |

DRILL SARGEANT

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : E-6 | | TANK COMMANDER : | 79 | 2 |
| MOS : 19K3R | | GUNNER : | 75 | 6 |
| IN ARMY : 8YR | | LOADER : | | |
| IN ARTILLERY : 8YR | | DRIVER : | 75 | |

WHEN

COMBAT : N
ANTIC. COMBAT : N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 8 |
| 3 44 | 411111 | 5 | 20 | 60 | 2 | 3 | 3 | 40 | 3 | 8 | 5 | 8 | 3 | 9 | 10 | 0 | 9 | 6 |
| 3 44 | 515431 | 5 | 90 | -1 | 1 | 0.5 | 1 | 60 | 15 | 30 | 20 | 40 | 10 | 15 | 20 | 5 | 30 | 15 |
| 3 44 | 114111 | 5 | 20 | 50 | 2 | 1 | 4 | 30 | 2 | 7 | 5 | 6 | 2 | 7 | 9 | 0 | 8 | 6 |
| 3 44 | 515311 | 5 | 60 | 90 | 1 | 0.5 | 2 | 45 | 2 | 10 | 12 | 8 | 3 | 8 | 11 | 0 | 10 | 8 |
| 3 44 | 213111 | 5 | 20 | 40 | 2 | 2 | 5 | 20 | 2 | 6 | 5 | 6 | 3 | 7 | 10 | 0 | 8 | 0 |
| 3 44 | 413111 | 5 | 20 | 40 | 4 | 3 | 5 | 15 | 3 | 8 | 6 | 8 | 3 | 9 | 10 | 0 | 8 | 0 |
| 3 44 | 311111 | 5 | 0 | 30 | 4 | 2 | 5 | 10 | 0 | 6 | 5 | 6 | 2 | 0 | 0 | 0 | 8 | 0 |
| 3 44 | 313111 | 5 | 18 | 40 | 4 | 10 | 4 | 30 | 0 | 7 | 4 | 6 | 2 | 8 | 10 | 0 | 6 | 0 |
| 3 44 | 515223 | 5 | 30 | 90 | 1 | 1 | 3 | 60 | 8 | 15 | 20 | 20 | 5 | 10 | 15 | 2 | 20 | 6 |
| 3 44 | 414112 | 5 | 25 | 40 | 2 | 1 | 3 | 45 | 2 | 8 | 9 | 12 | 4 | 10 | 10 | 2 | 20 | 8 |
| 3 44 | 535111 | 5 | 30 | 60 | 2 | 1 | 3 | 30 | 6 | 15 | 10 | 12 | 3 | 9 | 14 | 3 | 20 | 10 |
| 3 44 | 112111 | 5 | 0 | 0 | 4 | 4 | 5 | 20 | 0 | 6 | 5 | 7 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 44 | 514111 | 5 | 20 | 40 | 2 | 1 | 5 | 20 | 2 | 8 | 5 | 8 | 3 | 0 | 0 | 0 | 20 | 8 |
| 3 44 | 313112 | 5 | 30 | 90 | 1 | 1 | 2 | 60 | 4 | 8 | 7 | 9 | 3 | 8 | 10 | 0 | 25 | 6 |
| 3 44 | 315113 | 5 | 30 | 120 | 1 | 1 | 2 | 45 | 5 | 15 | 9 | 12 | 4 | 9 | 14 | 2 | 25 | 9 |
| 3 44 | 513111 | 5 | 25 | 45 | 3 | 2 | 5 | 30 | 2 | 6 | 5 | 8 | 3 | 8 | 10 | 0 | 10 | 0 |
| 3 44 | 123111 | 5 | 0 | 30 | 4 | 2 | 5 | 15 | 0 | 0 | 5 | 8 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 44 | 534231 | 5 | 20 | 30 | 3 | 1 | 5 | 20 | 2 | 8 | 6 | 9 | 3 | 8 | 10 | 0 | 10 | 6 |
| 3 44 | 113111 | 5 | 0 | 0 | 6 | 3 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 44 | 521111 | 5 | 0 | 25 | 5 | 2 | 5 | 20 | 2 | 6 | 5 | 6 | 0 | 0 | 0 | 0 | 9 | 0 |
| 3 44 | 113121 | 5 | 0 | 0 | 7 | 3 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 44 | 211111 | 5 | 0 | 30 | 4 | 2 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 44 | 224111 | 5 | 20 | 70 | 3 | 1 | 5 | 15 | 2 | 7 | 5 | 7 | 2 | 8 | 10 | 0 | 10 | 0 |
| 3 44 | 415314 | 5 | 20 | 40 | 2 | 1 | 5 | 15 | 6 | 15 | 12 | 12 | 3 | 10 | 15 | 2 | 20 | 6 |
| 3 44 | 312111 | 5 | 0 | 0 | 3 | 2 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 44 | 314112 | 5 | 0 | 0 | 4 | 2 | 5 | 20 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 44 | 314113 | 5 | 30 | 60 | 2 | 1 | 5 | 20 | 3 | 15 | 20 | 12 | 4 | 12 | 14 | 2 | 20 | 8 |
| 3 44 | 412111 | 5 | 20 | 40 | 3 | 2 | 5 | 10 | 3 | 10 | 6 | 8 | 3 | 10 | 10 | 2 | 10 | 8 |
| 3 44 | 414111 | 5 | 20 | 50 | 3 | 2 | 5 | 20 | 3 | 10 | 6 | 8 | 2 | 9 | 10 | 2 | 10 | 6 |
| 3 44 | 525111 | 5 | 20 | 40 | 2 | 1 | 5 | 30 | 4 | 10 | 6 | 8 | 2 | 8 | 10 | 0 | 15 | 6 |

TOW-5YRS ITV-3YRS + OFF AND ON

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO | |
|---|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 78 | 2 | |
| MOS | :11H5 | GUNNER : | | 2 | * |
| IN ARMY | :10YR | LOADER : | | 2 | * |
| IN ARTILLERY | : 5YR | DRIVER : | | 2 | * |
| COMBAT | :Y 67 68 (WHEN) | | | | |
| ARTIL. COMBAT | :N | #SUPERVISED :>50 | | | |

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | CD DRIVER | GUNNER: SET ERECT SLEW | ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | 3 | 40 | 5 | 15 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | CONFIDENCE= 3 | | | | | | | | | | | |
| 4 | 1 411111 | 3 | 0 | 0 | 3 | 3 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 50 |
| 4 | 1 515431 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 114111 | 3 | 60 | 90 | 1 | -1 | 1 | 10 | 6 | 3 | 20 | 10 | 0 | -1 | -1 | 20 |
| 4 | 1 515311 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | 60 | 30 | -1 | -1 | -1 | 0 |
| 4 | 1 213111 | 3 | 0 | 0 | 3 | 2 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 90 | 0 |
| 4 | 1 413111 | 3 | 0 | 60 | 1 | 1 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 90 | 120 | 40 |
| 4 | 1 311111 | 3 | 0 | 0 | 3 | 2 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 4 | 1 313111 | 3 | 30 | 90 | 1 | -1 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 50 |
| 4 | 1 515223 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 0 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 414112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 20 | 10 | -1 | 15 | -1 | -1 | -1 | 0 |
| 4 | 1 535111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 112111 | 3 | 0 | 0 | 5 | 1 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 4 | 1 514111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 313112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 4 | 30 | 15 | -1 | -1 | -1 | 10 |
| 4 | 1 315113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 513111 | 3 | 30 | 60 | 1 | 1 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 90 | 120 | 20 |
| 4 | 1 123111 | 3 | 0 | 0 | 5 | 2 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 1 334231 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 113111 | 3 | 0 | 0 | 5 | 1 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 1 521111 | 3 | 60 | 180 | 1 | -1 | 3 | 10 | 30 | 5 | 30 | 10 | 30 | 180 | 300 | 10 |
| 4 | 1 113121 | 3 | 0 | 0 | 4 | 2 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 1 211111 | 3 | 20 | 30 | 2 | 1 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 0 |
| 4 | 1 224111 | 3 | 30 | 60 | 1 | -1 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 30 | 180 | 40 |
| 4 | 1 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 312111 | 3 | 0 | 0 | 2 | 1 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 4 | 1 314112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 40 | -1 | -1 | 20 |
| 4 | 1 314113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 412111 | 3 | 30 | 60 | -1 | -1 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 50 |
| 4 | 1 414111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | 3 | 30 | 10 | 40 | -1 | -1 | 10 |
| 4 | 1 525111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 111121 | 4 | 0 | 0 | 3 | 1 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 4 | 1 212111 | 3 | 0 | 0 | 3 | 1 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | C | 0 | 60 |
| 4 | 1 112121 | 3 | 20 | 30 | 1 | -1 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 90 | 50 |
| 4 | 1 112131 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 5 | 4 | 20 | 10 | 30 | -1 | -1 | 20 |
| 4 | 1 111131 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 45 | 30 | -1 | -1 | -1 | 10 |
| 4 | 1 113131 | 3 | -1 | -1 | -1 | -1 | 1 | -1 | 0 | 0 | 0 | 10 | 30 | 180 | 300 | 20 |
| 4 | 1 214112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 1 314111 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 7 | 4 | 20 | 10 | 30 | -1 | -1 | 10 |
| 4 | 1 214113 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 30 | 25 | 60 | 30 | 90 | -1 | -1 | 5 |
| 4 | 1 114112 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 20 | 5 | 60 | 20 | 60 | -1 | -1 | 5 |

WORK WITH DUTY AS A PLT. LEADER 3 YEARS WORK WITH M220 TOW CARRIER FOR 6 YEARS WORK WITH M151 TOW CARRIER FOR 2 YEARS

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | | 3 |
| MOS | :11H30 | GUNNER : | | 2 |
| IN ARMY | :14YR | LOADER : | | 2 |
| IN ARTILLERY | :11YR | DRIVER : | | 3 |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED :>50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | 15 | 20 | 30 | 30 | 6 | 45 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 2 | 411111 | 4 | 16 | 22 | 20 | 15 | 4 | 35 | 6 | 4 | 20 | 10 | 22 | 65 | 65 | 0 |
| 4 2 | 515431 | 3 | 60 | 65 | 10 | 5 | 2 | 100 | 10 | 10 | 30 | 15 | 35 | 200 | 200 | 60 |
| 4 2 | 114111 | 4 | 0 | 0 | 60 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 515311 | 3 | 20 | 21 | 50 | 25 | 5 | 30 | 6 | 4 | 25 | 10 | 25 | 65 | 65 | 89 |
| 4 2 | 213111 | 3 | 0 | 0 | 60 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 413111 | 3 | 0 | 0 | 50 | 25 | 5 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 311111 | 3 | 0 | 0 | 55 | 27 | 5 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 313111 | 3 | 0 | 0 | 55 | 50 | 6 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 2 | 515223 | 3 | 20 | 25 | 30 | 30 | 3 | 65 | 6 | 4 | 20 | 10 | 22 | 65 | 65 | 87 |
| 4 2 | 414112 | 9 | 16 | 22 | 30 | 30 | 4 | 40 | 6 | 4 | 20 | 10 | 22 | 65 | 65 | 87 |
| 4 2 | 535111 | 3 | 30 | 40 | 15 | 10 | 1 | 120 | 15 | 7 | 30 | 15 | 40 | 75 | 120 | 60 |
| 4 2 | 112111 | 4 | 0 | 0 | 30 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 514111 | 4 | 0 | 0 | 30 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 313112 | 4 | 25 | 30 | 15 | 20 | 3 | 120 | 7 | 5 | 25 | 15 | 25 | 68 | 70 | 75 |
| 4 2 | 315113 | 4 | 30 | 40 | 20 | 20 | 3 | 120 | 10 | 10 | 34 | 14 | 30 | 75 | 75 | 60 |
| 4 2 | 513111 | 4 | 20 | 22 | 30 | 30 | 5 | 50 | 0 | 4 | 20 | 10 | 22 | 65 | 65 | 89 |
| 4 2 | 123111 | 4 | 16 | 23 | 20 | 20 | 5 | 50 | 6 | 4 | 20 | 10 | 22 | 65 | 65 | 80 |
| 4 2 | 334231 | 4 | 40 | 45 | 10 | 10 | 2 | 120 | 20 | 10 | 34 | 14 | 40 | 120 | 120 | 50 |
| 4 2 | 113111 | 4 | 0 | 0 | 35 | 35 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 521111 | 3 | 16 | 22 | 25 | 25 | 5 | 50 | 5 | 3 | 20 | 10 | 22 | 65 | 65 | 85 |
| 4 2 | 113121 | 4 | 0 | 0 | 50 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 211111 | 4 | 0 | 0 | 30 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 224111 | 4 | 20 | 25 | 20 | 20 | 5 | 60 | 6 | 4 | 20 | 16 | 22 | 65 | 65 | 85 |
| 4 2 | 415314 | 3 | 45 | 60 | 10 | 10 | 1 | 200 | 16 | 10 | 50 | 25 | 60 | 200 | 200 | 40 |
| 4 2 | 312111 | 3 | 20 | 22 | 20 | 25 | 5 | 50 | 6 | 4 | 20 | 10 | 22 | 65 | 65 | 65 |
| 4 2 | 314112 | 3 | 20 | 22 | 20 | 20 | 5 | 50 | 6 | 4 | 20 | 10 | 22 | 65 | 65 | 85 |
| 4 2 | 314113 | 3 | 20 | 25 | 25 | 25 | 5 | 60 | 6 | 5 | 20 | 10 | 25 | 65 | 65 | 80 |
| 4 2 | 412111 | 4 | 0 | 0 | 30 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 414111 | 4 | 0 | 0 | 30 | 30 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 525111 | 3 | 25 | 30 | 25 | 25 | 4 | 60 | 7 | 5 | 25 | 12 | 27 | 68 | 70 | 70 |
| 4 2 | 111121 | 3 | 0 | 0 | 25 | 25 | 5 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 212111 | 4 | 0 | 0 | 20 | 20 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 112121 | 3 | 0 | 0 | 25 | 25 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 2 | 112131 | 3 | 20 | 25 | 25 | 25 | 4 | 60 | 7 | 5 | 20 | 10 | 25 | 70 | 70 | 80 |
| 4 2 | 111131 | 3 | 20 | 25 | 20 | 20 | 4 | 50 | 7 | 5 | 20 | 10 | 25 | 65 | 65 | 80 |
| 4 2 | 113131 | 3 | 20 | 25 | 25 | 25 | 5 | 50 | 7 | 5 | 20 | 10 | 25 | 65 | 65 | 80 |
| 4 2 | 214112 | 3 | 25 | 35 | 20 | 15 | 3 | 120 | 10 | 80 | 25 | 15 | 30 | 70 | 70 | 65 |
| 4 2 | 314111 | 3 | 0 | 0 | 25 | 25 | 5 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 4 2 | 214113 | 3 | 20 | 35 | 15 | 20 | 3 | 120 | 10 | 8 | 25 | 14 | 25 | 70 | 75 | 70 |
| 4 2 | 114112 | 4 | 0 | 0 | 25 | 25 | 6 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

WORKING AS AN ANTI-TANK PLT SGT. TAKING CARE OF THE WELL FAIR OF 44 MEN. ALL 12 ITV AND ONE APC. ALSO MAKING SURE MY PLT. IS TRAINED AND PREPARE FOR COMBAT. ALSO TRAINING LT.'S WHO WORK AS PLT. LEADERS.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 75 | 6 |
| MOS | :11H | GUNNER : | 72 | 2 |
| IN ARMY | :10YR | LOADER : | | |
| IN ARTILLERY | :10YR | DRIVER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | 3 | 45 | 10 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | | CONFIDENCE= 2 | | | | | | | | | | | |
| 4 | 4 | 411111 | 4 | 0 | 0 | 3 | 25 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 4 | 4 | 515431 | 4 | 45 | 60 | 0.5 | 1 | 1 | 20 | 30 | 5 | 120 | 30 | 45 | 180 | 180 | 10 |
| 4 | 4 | 114111 | 4 | 25 | 25 | 2 | 5 | 4 | 15 | 0 | 0 | 21 | 0 | 30 | 70 | 70 | 60 |
| 4 | 4 | 515311 | 3 | 190 | 80 | 1 | 5 | 4 | 10 | 10 | 3 | 25 | 10 | 25 | 180 | 180 | 19 |
| 4 | 4 | 213111 | 3 | 60 | 30 | 1 | 5 | 4 | 10 | 0 | 0 | 25 | 10 | 25 | 90 | 90 | 80 |
| 4 | 4 | 413111 | 3 | 90 | 45 | 0.5 | 5 | 4 | 15 | 15 | 5 | 30 | 15 | 35 | 95 | 90 | 10 |
| 4 | 4 | 311111 | 3 | 60 | 45 | 1 | 5 | 4 | 15 | 7 | 5 | 30 | 15 | 30 | 90 | 90 | 60 |
| 4 | 4 | 313111 | 3 | 35 | 40 | 1 | 5 | 4 | 18 | 7 | 4 | 25 | 10 | 25 | 60 | 80 | 60 |
| 4 | 4 | 515223 | 4 | 190 | 120 | 1 | 2 | 2 | 30 | 20 | 10 | 45 | 15 | 60 | 120 | 120 | 15 |
| 4 | 4 | 414112 | 3 | 35 | 30 | 1 | 3 | 4 | 18 | 7 | 5 | 25 | 10 | 30 | 80 | 80 | 25 |
| 4 | 4 | 535111 | 4 | 120 | 120 | 1 | 1 | 1 | 30 | 15 | 10 | 35 | 20 | 60 | 180 | 120 | 8 |
| 4 | 4 | 112111 | 5 | 15 | 20 | 3 | 45 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 | 4 | 514111 | 5 | 45 | 45 | 1 | 3 | 4 | 35 | 7 | 5 | 25 | 10 | 30 | 90 | 90 | 20 |
| 4 | 4 | 313112 | 5 | 45 | 35 | 1 | 3 | 3 | 19 | 10 | 5 | 25 | 10 | 30 | 90 | 90 | 60 |
| 4 | 4 | 315113 | 5 | 39 | 40 | 1 | 3 | 2 | 30 | 25 | 10 | 35 | 15 | 60 | 120 | 120 | 60 |
| 4 | 4 | 513111 | 4 | 45 | 45 | 1 | 3 | 2 | 30 | 10 | 5 | 30 | 15 | 40 | 67 | 67 | 60 |
| 4 | 4 | 123111 | 5 | -1 | -1 | 3 | 45 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 4 | 334231 | 5 | 45 | 50 | 1 | 1 | 2 | 15 | 10 | 5 | 30 | 15 | 45 | 180 | 180 | 80 |
| 4 | 4 | 113111 | 5 | -1 | -1 | 3 | 45 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 4 | 521111 | 4 | 45 | 65 | 2 | 3 | 4 | 15 | 10 | 7 | 25 | 15 | 45 | 90 | 90 | 999 |
| 4 | 4 | 113121 | 5 | -1 | -1 | 3 | 30 | 9 | 19 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 999 |
| 4 | 4 | 211111 | 5 | -1 | -1 | 3 | 45 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 4 | 224111 | 4 | 45 | 60 | 2 | 15 | 4 | 10 | 10 | 7 | 25 | 10 | 40 | 90 | 90 | 80 |
| 4 | 4 | 415314 | 4 | 45 | 60 | 2 | 30 | 4 | 20 | 0 | 0 | 25 | 10 | 40 | 120 | 120 | 60 |
| 4 | 4 | 312111 | 5 | 999 | 999 | 3 | 45 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | [illegible] |
| 4 | 4 | 314112 | 4 | 999 | 999 | 3 | 45 | 10 | 10 | 10 | 5 | 25 | 15 | 35 | 120 | 120 | 40 |
| 4 | 4 | 314113 | 4 | 45 | 60 | 3 | 45 | 10 | 10 | 0 | 0 | 25 | 15 | 40 | 80 | 80 | 0 |
| 4 | 4 | 412111 | 4 | 45 | 60 | 2 | 25 | 5 | 20 | 10 | 7 | 25 | 15 | 35 | 90 | 90 | 80 |
| 4 | 4 | 414111 | 4 | 60 | 80 | 2 | 15 | 4 | 20 | 10 | 7 | 25 | 15 | 45 | 120 | 120 | 60 |
| 4 | 4 | 525111 | 4 | 60 | 80 | 1 | 3 | 2 | 30 | 15 | 10 | 35 | 15 | 60 | 180 | 180 | 40 |
| 4 | 4 | 111121 | 5 | 0 | 0 | 3 | 45 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 4 | 212111 | 4 | 0 | 0 | 3 | 45 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 4 | 112121 | 5 | 0 | 0 | 3 | 45 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 4 | 112131 | 5 | 60 | 60 | 1 | 3 | 2 | 30 | 10 | 7 | 35 | 15 | 60 | 180 | 180 | 40 |
| 4 | 4 | 111131 | 3 | 60 | 40 | 1 | 5 | 4 | 30 | 15 | 10 | 35 | 25 | 60 | 180 | 180 | 60 |
| 4 | 4 | 113131 | 3 | 45 | 60 | 1 | 20 | 5 | 25 | 15 | 10 | 25 | 15 | 60 | 120 | 120 | 60 |
| 4 | 4 | 214112 | 2 | 45 | 60 | 2 | 15 | 4 | 30 | 15 | 5 | 25 | 10 | 60 | 80 | 80 | 70 |
| 4 | 4 | 314111 | 2 | 25 | 30 | 2 | 15 | 5 | 25 | 0 | 0 | 20 | 10 | 25 | 70 | 70 | 50 |
| 4 | 4 | 214113 | 1 | 42 | 60 | 2 | 18 | 4.5 | 20 | 15 | 7 | 30 | 15 | 35 | 70 | 70 | 65 |
| 4 | 4 | 114112 | 1 | 40 | 45 | 2 | 15 | 4 | 25 | 0 | 0 | 25 | 15 | 35 | 120 | 120 | 50 |

INSTRUCTOR ITV TRANSITION TRAINER COURSE FT. BENNING TEACH APPROX. 4 STUDENTS EVERY 3 WEEKS ON HOW TO OPERATE, MAINTAIN, SHOOT THE ITV.

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER | : | 78 | 5 |
| MOS | :11H30 | GUNNER | : | 75 | 3 |
| IN ARMY | :10YR | LOADER | : | 73 | 3 |
| IN ARTILLERY | :10YR | DRIVER | : | | |

WHEN

COMBAT :N

ARTIL. COMBAT:N    #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS: SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW # | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| RESP | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | 15 | 20 | 6 | 60 | 10 | 15 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | CONFIDENCE= 3 | | | | | | | | | | | |
| 4 | 5 411111 | 4 | 30 | 40 | 4 | 45 | 6 | 25 | 8 | 0 | 25 | 10 | 0 | 120 | 120 | 70 |
| 4 | 5 515031 | 4 | -1 | -1 | 1 | 5 | 1 | 45 | 15 | 15 | 45 | 20 | 40 | -1 | -1 | 20 |
| 4 | 5 114111 | 4 | 30 | 30 | 5 | 50 | 8 | 20 | 8 | 4 | 40 | 10 | 0 | 180 | 180 | 70 |
| 4 | 5 515311 | 4 | 30 | 40 | 2 | 10 | 3 | 30 | 12 | 6 | 30 | 15 | 40 | 180 | 180 | 20 |
| 4 | 5 213111 | 4 | 20 | 30 | 4 | 40 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 80 |
| 4 | 5 413111 | 4 | 25 | 30 | 4 | 30 | 4 | 30 | 6 | 4 | 25 | 10 | 0 | 90 | 120 | 75 |
| 4 | 5 311111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 5 313111 | 4 | 20 | 30 | 4 | 45 | 5 | 30 | 8 | 6 | 25 | 10 | 0 | 90 | 90 | 75 |
| 4 | 5 515223 | 4 | 30 | 40 | 2 | 5 | 3 | 40 | 8 | 4 | 30 | 20 | -1 | -1 | -1 | 25 |
| 4 | 5 414112 | 4 | 30 | 40 | 2 | 15 | 2 | 30 | 6 | 4 | 25 | 10 | 0 | 90 | 90 | 60 |
| 4 | 5 535111 | 4 | 30 | 40 | 1 | 5 | 1 | 40 | 15 | 6 | 25 | 15 | 30 | 120 | 120 | 30 |
| 4 | 5 112111 | 4 | 20 | 25 | 4 | 45 | 6 | 35 | 6 | 3 | 20 | 10 | 0 | 90 | 90 | 0 |
| 4 | 5 514111 | 4 | 25 | 30 | 2 | 15 | 3 | 30 | 6 | 4 | 25 | 10 | 25 | 90 | 90 | 70 |
| 4 | 5 313112 | 4 | 20 | 30 | 2 | 15 | 4 | 30 | 6 | 4 | 25 | 15 | 30 | 120 | 180 | 70 |
| 4 | 5 315113 | 4 | 30 | 40 | 1 | 5 | 2 | 45 | 6 | 4 | 20 | 10 | 30 | 180 | 180 | 70 |
| 4 | 5 513111 | 4 | 25 | 35 | 3 | 15 | 4 | 30 | 6 | 4 | 20 | 10 | 25 | 120 | 120 | 80 |
| 4 | 5 123111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 0 |
| 4 | 5 334231 | 4 | 40 | 50 | 1 | 5 | 1 | 45 | 15 | 10 | 35 | 15 | 30 | 180 | 180 | 25 |
| 4 | 5 113111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 0 |
| 4 | 5 521111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 5 113121 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 0 |
| 4 | 5 211111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 5 224111 | 4 | 25 | 30 | 2 | 5 | 3 | 4 | 8 | 4 | 25 | 15 | 30 | 180 | 180 | 70 |
| 4 | 5 413314 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | 10 | -1 | -1 | 35 | -1 | -1 | 10 |
| 4 | 5 312111 | 4 | 25 | 30 | 2 | 10 | 3 | 30 | 6 | 4 | 20 | 10 | 25 | 120 | 120 | 0 |
| 4 | 5 314112 | 4 | 30 | 40 | 1 | 5 | 2 | 40 | 10 | 6 | 25 | 15 | 30 | 180 | 180 | 25 |
| 4 | 5 314113 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 6 | 4 | 20 | 10 | 25 | -1 | -1 | 35 |
| 4 | 5 412111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 0 |
| 4 | 5 414111 | 4 | 30 | 40 | 2 | 10 | 2 | 40 | 6 | 4 | 20 | 10 | 25 | 180 | 180 | 0 |
| 4 | 5 525111 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 10 | 10 | 25 | 15 | 25 | -1 | -1 | 20 |
| 4 | 5 111121 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 5 212111 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 80 | 80 | 0 |
| 4 | 5 112121 | 4 | 0 | 0 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 5 112131 | 4 | 25 | 40 | 3 | 10 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 0 |
| 4 | 5 111131 | 4 | 20 | 30 | 4 | 30 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 0 |
| 4 | 5 113131 | 4 | 20 | 25 | 3 | 25 | 4 | 40 | 6 | 4 | 20 | 10 | 25 | 180 | 180 | 70 |
| 4 | 5 214112 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 10 | 8 | 25 | 15 | 30 | -1 | -1 | 25 |
| 4 | 5 314111 | 4 | 30 | 40 | 2 | 10 | 4 | 40 | 10 | 8 | 25 | 15 | 30 | 180 | 180 | 70 |
| 4 | 5 214113 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 15 | 10 | 30 | 15 | 40 | -1 | -1 | 25 |
| 4 | 5 114112 | 4 | 30 | 40 | 1 | 5 | 2 | 40 | 15 | 8 | 25 | 15 | 30 | -1 | -1 | 50 |

DEMOGRAPHIC DATA

| | | | SUPV NO YR | NOT YR GO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 1 83 | 6 |
| MOS | :11H50 | GUNNER : | | |
| IN ARMY | :14YR | LOADER : | | |
| IN ARTILLERY | : 9YR | DRIVER : | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 50 | | |

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW RESP | SIMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | | SELF-SITPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | 15 | 20 | 7 | 90 | 10 | 20 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 | 6 411111 | 4 | 0 | 0 | 4 | 45 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 6 515431 | 3 | 40 | -1 | -1 | 4 | -1 | 65 | 10 | 4 | 25 | 15 | -1 | -1 | -1 | 60 |
| 4 | 6 114111 | 3 | 45 | -1 | -1 | 5 | 2 | 10 | 0 | 0 | 20 | 10 | 0 | 120 | -1 | 80 |
| 4 | 6 515311 | 3 | -1 | -1 | -1 | 5 | 2 | 20 | 0 | 0 | 25 | 15 | 40 | -1 | -1 | 65 |
| 4 | 6 215111 | 3 | 30 | 60 | 2 | 10 | 3 | 30 | 0 | 0 | 25 | 15 | 35 | 120 | 120 | 75 |
| 1 | 6 413111 | 3 | 40 | 40 | 2 | 10 | 2 | 45 | 0 | 0 | 20 | 10 | 25 | 100 | 95 | 80 |
| 4 | 6 311111 | 3 | 30 | 50 | 2 | 15 | 4 | 10 | 6 | 3 | 0 | 0 | 0 | 65 | 70 | 80 |
| 4 | 6 313111 | 3 | 32 | 50 | 2 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 25 | 120 | 100 | 75 |
| 4 | 6 515223 | 3 | -1 | -1 | -1 | 2 | -1 | 100 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 | 6 414112 | 3 | -1 | -1 | 2 | 5 | 2 | 60 | 0 | 0 | 25 | 15 | 60 | -1 | -1 | 30 |
| 4 | 6 535111 | 3 | 45 | 60 | 1 | 10 | 4 | 60 | 0 | 0 | 20 | 10 | -1 | -1 | -1 | 50 |
| 4 | 6 112111 | 3 | 60 | 45 | 2 | 10 | 3 | 60 | 0 | 0 | 0 | 0 | 0 | 100 | 120 | 75 |
| 4 | 6 514111 | 3 | -1 | -1 | 1 | 5 | 2 | 60 | 0 | 0 | 0 | 0 | 0 | 80 | 100 | 65 |
| 4 | 6 315112 | 2 | -1 | -1 | -1 | 10 | 2 | 60 | 6 | 3 | 0 | 0 | 35 | 90 | 100 | 60 |
| 4 | 6 315113 | 3 | -1 | -1 | -1 | 2 | -1 | 60 | 0 | 0 | 0 | 0 | 0 | 90 | 85 | 80 |
| 4 | 6 513111 | 3 | -1 | -1 | -1 | 3 | 2 | 60 | 0 | 0 | 0 | 0 | 25 | 85 | 100 | 60 |
| 1 | 6 123111 | 3 | -1 | -1 | -1 | 2 | -1 | 30 | 0 | 0 | 0 | 0 | 0 | 90 | 100 | 80 |
| 4 | 6 334231 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 6 113111 | 3 | 20 | 30 | 2 | 10 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 6 521111 | 3 | 20 | 30 | 2 | 10 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 6 113121 | 3 | 0 | 0 | 3 | 15 | 3 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 6 211111 | 3 | 0 | 0 | 4 | 15 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 6 224111 | 3 | -1 | -1 | -1 | 5 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 80 | 95 | 80 |
| 4 | 6 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 6 312111 | 3 | 45 | 60 | 2 | 10 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 90 | 80 |
| 4 | 6 314112 | 3 | -1 | -1 | -1 | -1 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 4 | 6 314113 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 4 | 6 412111 | 3 | 40 | 60 | 1 | 10 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 85 | 80 |
| 4 | 6 414111 | 3 | 45 | 30 | 1 | 10 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 6 525111 | 3 | 30 | 45 | 2 | 5 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 100 | 85 | 80 |
| 4 | 6 111121 | 3 | 0 | 40 | 2 | 15 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 6 212111 | 3 | 35 | 45 | 2 | 10 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 80 | 95 | 75 |
| 4 | 6 112121 | 3 | 0 | 0 | 3 | 15 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 6 112131 | 3 | 30 | 45 | 3 | 15 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 4 | 6 111131 | 3 | 25 | 35 | 2 | 10 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 6 113131 | 3 | 0 | 0 | 3 | 10 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| 4 | 6 214112 | 3 | 35 | 45 | 2 | 10 | 3 | 30 | 9 | 4 | 0 | 0 | 0 | 80 | 75 | 75 |
| 4 | 6 314111 | 3 | -1 | -1 | -1 | 5 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 80 | 70 | 75 |
| 4 | 6 214113 | 3 | -1 | -1 | -1 | 5 | 2 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 6 114112 | 3 | -1 | -1 | -1 | 2 | 1 | 20 | 6 | 4 | 21 | 10 | 35 | 120 | 85 | 62 |

DURING THE PAST YEAR I HAVE BEEN ASSIGNED AS A DRILL SGT.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|
| GRADE | : E-6 | SQUAD LEADER : | 79 | 2 |
| MOS | : 11H3X | GUNNER : | | |
| IN ARMY | : 16YR AND | LOADER : | | |
| IN ARTILLERY | : 5YR | DRIVER : | | |

WHEN
COMBAT IN
ANTI. COMBATIN #SUPERVISED : 20

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS: SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP / SIMP COMP | LOW CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| USUAL TIME,SEC | 15 | 20 | 12 | 120 | 11 | 5 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 / ~11111 4 | 0 | 30 | 7 | 40 | 8 | 5 | 7 | 0 | 20 | -1 | 0 | 0 | 90 | 35 |
| 4 / 515431 4 | -1 | -1 | 1 | -1 | -1 | 90 | -1 | 0 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 / 114111 4 | 20 | 30 | 11 | 60 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 |
| 4 / 515311 4 | -1 | -1 | 1 | 20 | 2 | 10 | 20 | 0 | -1 | -1 | 60 | 180 | 240 | 25 |
| 4 / 213111 4 | 0 | 30 | 5 | 70 | 7 | 5 | 0 | 0 | 20 | 10 | 0 | 0 | 120 | 80 |
| 4 / 413[illegible] 4 | 60 | 70 | 3 | 60 | 6 | 5 | 0 | 0 | 30 | 15 | 0 | 120 | 120 | 50 |
| 4 / 311111 4 | 0 | 0 | 10 | 90 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 313111 4 | 0 | 0 | 10 | 90 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 515223 4 | 0 | 0 | 1 | 10 | 3 | 5 | 25 | 7 | -1 | -1 | 70 | -1 | -1 | 20 |
| 4 / 414112 4 | 80 | 120 | 2 | 15 | 3 | 5 | 25 | 7 | 180 | -1 | 100 | -1 | -1 | 30 |
| 4 / 555111 4 | 0 | 180 | 1 | 10 | 2 | 5 | 60 | 10 | -1 | -1 | 120 | -1 | -1 | 20 |
| 4 / 112111 4 | 0 | 0 | 15 | 180 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 514111 4 | 90 | 110 | 3 | 15 | 4 | 4 | 7 | 10 | 120 | -1 | 60 | 180 | 180 | 20 |
| 4 / 313112 4 | 60 | 160 | 4 | 40 | 6 | 5 | 6 | 0 | 50 | -1 | 50 | 120 | 120 | 50 |
| 4 / 315113 4 | -1 | 160 | -1 | 5 | 3 | 5 | 15 | 10 | -1 | -1 | 180 | -1 | -1 | 20 |
| 4 / 513111 4 | -1 | 180 | -1 | 5 | 2 | 5 | 10 | 10 | -1 | -1 | 180 | -1 | -1 | 20 |
| 4 / 123111 4 | 0 | 0 | 10 | 90 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 334231 4 | -1 | 160 | -1 | 10 | 2 | 5 | 10 | 10 | -1 | -1 | 180 | -1 | -1 | 10 |
| 4 / 113111 4 | 0 | 0 | 10 | 90 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 521111 4 | 180 | 160 | 2 | 20 | 5 | 5 | 0 | 6 | 180 | -1 | 60 | 180 | 180 | 50 |
| 4 / 113121 4 | 0 | 0 | 10 | 70 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 4 / 211111 4 | 0 | 0 | 11 | 100 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 / 224111 4 | 80 | 50 | 7 | 40 | 6 | 5 | 0 | 6 | 20 | 40 | 25 | 0 | 0 | 60 |
| 4 / 415314 4 | -1 | 180 | -1 | 10 | 2 | 5 | -1 | 40 | 180 | -1 | 180 | -1 | -1 | 30 |
| 4 / 312111 4 | 40 | 60 | 6 | 40 | 6 | 5 | 6 | 4 | 20 | 50 | 50 | 0 | 180 | 65 |
| 4 / 314112 4 | 0 | 0 | 9 | 70 | 8 | 5 | 0 | 0 | 25 | 15 | 0 | 0 | 120 | 65 |
| 4 / 314113 4 | -1 | 160 | 2 | 30 | 4 | 5 | 10 | 8 | 30 | -1 | 50 | 0 | 180 | 40 |
| 4 / 412111 4 | 0 | 0 | 10 | 100 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 4 / 414111 4 | 30 | 40 | 6 | 40 | 8 | 5 | 0 | 0 | 0 | 120 | 40 | 0 | 120 | 65 |
| 4 / 523111 4 | -1 | 120 | -1 | 10 | 2 | 5 | 25 | 40 | -1 | -1 | 120 | -1 | -1 | 30 |
| 4 / 111121 4 | 0 | 0 | 10 | 12 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 212111 4 | 0 | 0 | 10 | 90 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 / 112121 4 | 0 | 0 | 11 | 120 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 / 112131 4 | 0 | 0 | 9 | 80 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 / 111131 4 | 0 | 0 | 10 | 90 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 / 113131 4 | 0 | 0 | 10 | 80 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 / 214112 4 | 20 | 25 | 6 | 50 | 6 | 5 | 6 | 8 | 20 | 15 | 30 | 0 | 120 | 75 |
| 4 / 314111 4 | 25 | 30 | 5 | 50 | 6 | 4 | 6 | 8 | 25 | 15 | 30 | 0 | 120 | 70 |
| 4 / 214113 4 | -1 | 160 | 2 | 20 | 4 | 5 | 15 | 6 | 80 | 40 | 35 | 120 | 120 | 40 |
| 4 / 114112 4 | 0 | 25 | 9 | 90 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |

I HAVE EXPERIENCE IN ALL TOW VEHICLES EXCEPT THE MULES. I'M A PLT.SGT. WORKING TOW JEEPS AT THE PRESENT TIME.

DEMOGRAPHIC DATA  WHEN HOW LONG
AGO YR YR AGO

GRADE :E-6  SQUAD LEADER :
MOS :11B30  GUNNER :
IN ARMY :13YR  LOADER :
IN ARTILLERY : 6YR  DRIVER :
WHEN
COMBAT :Y 69 70
ARTIL. COMBAT:N  #SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED 10A VEHICLE CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW | RESP | STRP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | LD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | | 15 | 20 | 5 | 45 | 3 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | CONFIDENCE= 8 | | | | | | | | | | | |
| 4 | 6 | 411111 | | 20 | 20 | 3 | 30 | 3 | 15 | 6 | 4 | 0 | 10 | 0 | 0 | 0 | 70 |
| 4 | 8 | 515431 | 1 | 999 | 999 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 999 |
| 4 | 8 | 114111 | 2 | 20 | 30 | 2 | 10 | 2 | 10 | 6 | 6 | 20 | 9 | 0 | 0 | 0 | 89 |
| 4 | 8 | 515311 | 2 | 25 | 40 | 2 | 15 | 2 | 10 | 5 | 4 | 25 | 10 | 0 | 70 | 70 | 70 |
| 4 | 6 | 213111 | 2 | 25 | 35 | 2 | 10 | 2 | 10 | 7 | 4 | 0 | 10 | 0 | 0 | 0 | 75 |
| 4 | 6 | 413111 | 2 | 30 | 45 | 2 | 10 | 1 | 10 | 7 | 4 | 0 | 10 | 0 | 65 | 0 | 50 |
| 4 | 8 | 311111 | 2 | 30 | 20 | 3 | 30 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 4 | 8 | 313121 | 3 | 20 | 0 | 3 | 30 | 2 | 10 | 7 | 6 | 0 | 10 | 0 | 0 | 65 | 70 |
| 4 | 8 | 515223 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 6 | 414112 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 6 | 535111 | 3 | 0 | 0 | 1 | 5 | 1 | 15 | 10 | 6 | 0 | 10 | 0 | 90 | 90 | 70 |
| 4 | 6 | 112111 | 2 | 0 | 0 | 2 | 30 | 2 | 10 | 0 | 6 | 0 | 10 | 0 | 65 | 65 | 60 |
| 4 | 8 | 514111 | 3 | 0 | 0 | 1 | 30 | 2 | 3 | 10 | 6 | 0 | 10 | 50 | 65 | 65 | 75 |
| 4 | 6 | 313112 | 3 | 0 | 0 | 2 | 30 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 8 | 315113 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 8 | 513111 | 3 | 0 | 0 | 2 | 30 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 8 | 123111 | 2 | 0 | 0 | 2 | 30 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 4 | 8 | 334231 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 30 |
| 4 | 8 | 113111 | 2 | 25 | 30 | 2 | 30 | 2 | 10 | 10 | 6 | 0 | 10 | 25 | 65 | 67 | 50 |
| 4 | 8 | 521111 | 3 | 0 | 0 | 2 | 30 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 4 | 8 | 113121 | 3 | 0 | 0 | 2 | 25 | 3 | 10 | 20 | 10 | 0 | 10 | 0 | 0 | 0 | 70 |
| 4 | 8 | 211111 | 3 | 0 | 0 | 3 | 30 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 |
| 4 | 6 | 224111 | 2 | 25 | 25 | 2 | 35 | 2 | 10 | 10 | 10 | 20 | 12 | 0 | 0 | 0 | 60 |
| 4 | 8 | 415314 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 8 | 312111 | 2 | 25 | 30 | 2 | 35 | 2 | 10 | 10 | 6 | 0 | 10 | 0 | 65 | 65 | 50 |
| 4 | 6 | 314112 | 2 | -1 | -1 | -1 | -1 | -1 | 25 | 10 | 10 | -1 | 10 | 25 | 120 | 120 | 50 |
| 4 | 6 | 314113 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | 2 |
| 4 | 6 | 412111 | 2 | 30 | 50 | 2 | 50 | 3 | 10 | 20 | 10 | 20 | 15 | 30 | 120 | 120 | 60 |
| 4 | 6 | 414111 | 2 | 30 | 50 | 2 | 35 | 2 | 10 | 15 | 10 | 20 | 25 | 30 | 80 | 80 | 60 |
| 4 | 8 | 525111 | 2 | 30 | 50 | 1 | 10 | 1 | 15 | 10 | 11 | 0 | 0 | 0 | 120 | 120 | 70 |
| 4 | 8 | 111121 | 3 | 0 | 0 | 2 | 35 | 2 | 10 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 | 8 | 212111 | 3 | 25 | 40 | 2 | 15 | 2 | 10 | 15 | 10 | 0 | 12 | 0 | 90 | 90 | 70 |
| 4 | 6 | 112121 | 2 | 30 | 40 | 2 | 10 | 2 | 10 | 20 | 15 | 0 | 10 | 0 | 70 | 70 | 60 |
| 4 | 8 | 112131 | 3 | 30 | 40 | 2 | 15 | 2 | 10 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 70 |
| 4 | 8 | 111131 | 3 | 25 | 40 | 2 | 10 | 2 | 10 | 10 | 6 | 0 | 10 | 0 | 90 | 90 | 70 |
| 4 | 6 | 113131 | 3 | 25 | 30 | 2 | 10 | 1 | 10 | 15 | 10 | 0 | 0 | 0 | 70 | 70 | 70 |
| 4 | 8 | 214112 | 3 | 30 | 45 | 2 | 10 | 2 | 10 | 20 | 10 | 0 | 0 | 0 | 90 | 90 | 70 |
| 4 | 8 | 314111 | 3 | 25 | 35 | 2 | 10 | 2 | 10 | 20 | 10 | 0 | 0 | 0 | 120 | 120 | 70 |
| 4 | 8 | 214113 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 8 | 114112 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |

AS AN INSTRUCTOR FOR PHCOC/CA IN THE 11B SERIES, ALL AREA'S  TIV'S PLT, SGT 2YR, EUROPE

DEMOGRAPHIC DATA

| | | | WHEN GO YR | HOW LONG YR GO |
|---|---|---|---|---|
| GRADE :F-4 | | SQUAD LEADER : | 70 | 1 |
| MOS :11B30 | | GUNNER : | | |
| IN ARMY :10YR | | LOADER : | | |
| IN ARTILLERY : 4YR | | DRIVER : | | |

WHEN
COMBAT :Y AU 70
ARTIL. COMBAT:N #SUPERVISED : 20

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED 10A VEHICLE CREW

| CREW RESP | SYMP COMP | | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESTG TGT AZ | SQUAD LEADER: LD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | 8 | 90 | 25 | 13 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | | CONFIDENCE= 3 | | | | | | | | | | | |
| 4 | 9 | 41,111 | 3 | 19 | 25 | 7 | 67 | 20 | 18 | 7 | 6 | 20 | 10 | 24 | 64 | 999 | 80 |
| 4 | 9 | 515431 | 0 | 25 | 35 | 5 | 15 | 15 | 30 | 12 | 8 | 23 | 15 | 32 | 80 | 80 | 50 |
| 4 | 9 | 114111 | 0 | 0 | 0 | 0 | 90 | 25 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 999 |
| 4 | 9 | 515311 | 3 | 35 | 60 | 2 | 5 | 5 | 45 | 15 | 10 | 30 | 15 | 35 | -1 | -1 | 0 |
| 4 | 9 | 213111 | 3 | 20 | 30 | 0 | 60 | 20 | 15 | 6 | 6 | 19 | 9 | 22 | 65 | 65 | 80 |
| 4 | 9 | 413111 | 3 | 20 | 25 | 6 | 30 | 10 | 30 | 5 | 6 | 22 | 8 | 22 | 64 | 64 | 60 |
| 4 | 9 | 311111 | 3 | 17 | 22 | 6 | 60 | 15 | 26 | 0 | 4 | 19 | 9 | 22 | 64 | 64 | 85 |
| 4 | 9 | 313111 | 3 | 17 | 22 | 0 | 60 | 15 | 20 | 6 | 4 | 19 | 9 | 22 | 64 | 64 | 65 |
| 4 | 9 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 9 | 414112 | 3 | 30 | 30 | 2 | 30 | 15 | 30 | 8 | 6 | 20 | 10 | 24 | 64 | 64 | 50 |
| 4 | 9 | 535111 | 3 | 25 | 30 | 2 | 15 | 10 | 20 | 12 | 8 | 20 | 12 | 25 | 70 | 70 | 50 |
| 4 | 9 | 112111 | 0 | 0 | 0 | 7 | 90 | 20 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9 | 514111 | 3 | 20 | 25 | 5 | 30 | 10 | 30 | 0 | 6 | 20 | 10 | 25 | 65 | 65 | 999 |
| 4 | 9 | 313112 | 3 | 30 | 40 | 2 | 15 | 10 | 30 | 10 | 8 | 24 | 14 | 25 | 70 | 70 | 75 |
| 4 | 9 | 315113 | 3 | 35 | 30 | 2 | 15 | 5 | 30 | 10 | 8 | 24 | 15 | 30 | -1 | -1 | 25 |
| 4 | 9 | 513111 | 3 | 30 | 30 | 2 | 15 | 10 | 30 | 7 | 6 | 24 | 14 | 30 | -1 | -1 | 50 |
| 4 | 9 | 123111 | 3 | 20 | 30 | 2 | 15 | 10 | 30 | 6 | 4 | 19 | 10 | 25 | 75 | 75 | 999 |
| 4 | 9 | 334251 | 3 | 25 | 30 | 2 | 999 | 10 | 30 | 12 | 8 | 999 | 11 | 24 | 80 | 80 | 50 |
| 4 | 9 | 113111 | 3 | 0 | 0 | 5 | 60 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 4 | 9 | 521111 | 3 | 20 | 25 | 0 | 45 | 10 | 20 | 0 | 4 | 20 | 9 | 24 | 65 | 65 | 999 |
| 4 | 9 | 113121 | 3 | 0 | 0 | 6 | 60 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 999 |
| 4 | 9 | 211111 | 3 | 0 | 0 | 8 | 60 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9 | 224111 | 3 | 20 | 25 | 0 | 45 | 10 | 20 | 6 | 4 | 20 | 10 | 25 | 65 | 65 | 80 |
| 4 | 9 | 415314 | 3 | 25 | 35 | 0 | 15 | 10 | 30 | 8 | 6 | 24 | 12 | 24 | 80 | 80 | 50 |
| 4 | 9 | 312111 | 3 | 25 | 30 | 4 | 15 | 10 | 25 | 8 | 6 | 24 | 10 | 30 | 70 | 70 | 75 |
| 4 | 9 | 314112 | 3 | 20 | 25 | 3 | 15 | 10 | 30 | 8 | 6 | 20 | 9 | 24 | 75 | 75 | 50 |
| 4 | 9 | 314113 | 3 | -1 | -1 | 1 | 10 | 5 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 9 | 412111 | 3 | 20 | 25 | 0 | 30 | 10 | 30 | 6 | 4 | 20 | 10 | 25 | 70 | 70 | 80 |
| 4 | 9 | 414111 | 3 | 25 | 30 | 4 | 15 | 0 | 25 | 6 | 6 | 24 | 10 | 25 | 70 | 70 | 60 |
| 4 | 9 | 525111 | 3 | -1 | -1 | 2 | 5 | 5 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 9 | 111121 | 3 | 0 | 0 | 0 | 45 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9 | 112121 | 3 | 0 | 0 | 6 | 45 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9 | 212111 | 3 | 0 | 0 | 6 | 45 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9 | 112131 | 3 | 0 | 0 | 6 | 45 | 15 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 999 | 0 |
| 4 | 9 | 111131 | 3 | 0 | 0 | 0 | 45 | 15 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 9 | 113131 | 3 | 0 | 6 | 0 | 30 | 10 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| 4 | 9 | 214112 | 3 | 25 | 30 | 0 | 15 | 10 | 25 | 8 | 6 | 22 | 10 | 25 | 70 | 70 | 80 |
| 4 | 9 | 314111 | 3 | 20 | 25 | 4 | 15 | 10 | 25 | 6 | 4 | 20 | 10 | 25 | 70 | 70 | 75 |
| 4 | 9 | 214113 | 3 | 25 | 30 | 4 | 15 | 8 | 25 | 8 | 6 | 24 | 14 | 25 | -1 | -1 | 50 |
| 4 | 9 | 114112 | 3 | 20 | 30 | 4 | 20 | 10 | 25 | 7 | 6 | 20 | 9 | 25 | 70 | 70 | 70 |

DEMOGRAPHIC DATA

| | | | WHEN 10 YR | HOW LONG YR 10 |
|---|---|---|---|---|
| GRADE | :E-7 | SQUAD LEADER : | 68 | 6 |
| MOS | :11H40(C) | GUNNER : | 67 | 1 |
| IN ARMY | :17YR | LOADER : | 66 | 1 |
| IN ARTILLERY | :17YR | DRIVER : | 66 | 1 |

WHEN
COMBAT :Y 66 67
ARTIL. COMBAT:Y 66 67 #SUPERVISED :>50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | | | ORDINARY TASKS: CON CLIMB STAIRS | LIFT, BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | CD DRIVER | GUNNER: SET ERECT SLEW | ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | 20 | 120 | 25 | 12 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | | CONFIDENCE= 0 | | | | | | | | | | | |
| 4 | 10 | 411111 | 0 | 0 | 0 | 10 | 60 | 10 | 30 | 0 | 0 | 30 | 0 | 0 | 0 | 120 | 0 |
| 4 | 10 | 515431 | 2 | -1 | -1 | 20 | 120 | 3 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 114111 | 3 | 30 | 40 | 20 | 30 | 2 | 90 | 8 | 4 | 34 | 14 | 40 | 120 | 120 | 45 |
| 4 | 10 | 515311 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 213111 | 3 | 120 | 90 | 1 | 5 | 2 | 120 | 12 | -1 | -1 | -1 | -1 | 100 | 180 | 0 |
| 4 | 10 | 413111 | 3 | 60 | 110 | 2 | 5 | 4 | 20 | 16 | 8 | 60 | 30 | 60 | 120 | 120 | 60 |
| 4 | 10 | 311111 | 4 | 15 | 15 | 5 | 30 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 10 | 313111 | 4 | 30 | 45 | 3 | 30 | 15 | 25 | 0 | 4 | 20 | 10 | 25 | 0 | 90 | 85 |
| 4 | 10 | 515223 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 414112 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 535111 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 112111 | 4 | 20 | 45 | 5 | 45 | 10 | 20 | 6 | 4 | 20 | 9 | 0 | 65 | 90 | 70 |
| 4 | 10 | 514111 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 313112 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 315113 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 313111 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 123111 | 3 | 30 | 60 | 2 | 45 | 6 | 3 | 6 | 4 | 20 | 14 | 30 | 90 | 90 | 65 |
| 4 | 10 | 534231 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 113111 | 4 | 15 | 20 | 10 | 60 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 10 | 521111 | 3 | 45 | 45 | 5 | 30 | 3 | 45 | 16 | 10 | 45 | 21 | 40 | 90 | 90 | 80 |
| 4 | 10 | 113121 | 4 | 20 | 20 | 8 | 30 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 10 | 211111 | 5 | 15 | 20 | 10 | 60 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 10 | 224111 | 4 | 20 | 20 | 3 | 30 | 3 | 15 | 10 | 8 | 25 | 25 | 40 | 90 | 90 | 70 |
| 4 | 10 | 415314 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 512111 | 3 | 45 | 45 | 3 | 30 | 3 | 25 | 10 | 8 | 45 | 25 | 40 | 120 | 120 | 65 |
| 4 | 10 | 314112 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 314113 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 412111 | 5 | 0 | 0 | 10 | 60 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 999 |
| 4 | 10 | 414111 | 3 | 45 | 40 | 5 | 45 | 5 | 20 | 8 | 4 | 35 | 23 | 45 | 90 | 90 | 75 |
| 4 | 10 | 525111 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 111121 | 5 | 15 | 20 | 10 | 60 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 10 | 212111 | 4 | 45 | 60 | 5 | 45 | 5 | 20 | 6 | 4 | 25 | 14 | 25 | 75 | 75 | 75 |
| 5 | 10 | 112121 | 5 | 15 | 20 | 10 | 60 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 10 | 112131 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 111131 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 113131 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 214112 | 3 | 45 | 45 | 5 | 45 | 2 | 25 | 20 | 10 | 45 | 25 | 60 | 120 | 120 | 65 |
| 4 | 10 | 314111 | 3 | 45 | 60 | 3 | 30 | 3 | 30 | 20 | 16 | 45 | 30 | 60 | 120 | 120 | 65 |
| 4 | 10 | 214113 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 10 | 114112 | 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |

I HAVE BEEN A SECTION SGT FOR THE LAST 18 MONTH AND OUT OF THAT TIME MY ITV'S HAVE BEEN IN SOPORT ABOUT 5 TO 9 TIME FOR DIFFERENT THINGS AND MY ITV DON'T HAVE THAT MANY HOURS ON THE GUN.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 76 | 3 |
| MOS | :11H | GUNNER : | | |
| IN ARMY | :11YR 7/0 | LOADER : | | |
| IN ARTILLERY | : 7YR | DRIVER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N  #SUPERVISED : 20

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW RESP | SYMP COMP | CON CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SQUAD LEADER DESIG TGT AZ | SQUAD LEADER CD DRIVER | GUNNER SET ERECT SLEW | GUNNER ACQUIR ARM FIRE | DR START DRIVE STOP | LOADER RELOAD | LOADER READY RACK | GUNNER TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
| | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | 15 | 20 | 10 | 120 | 30 | 120 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 11 | 411111 4 | 25 | 25 | 5 | 40 | 10 | 100 | 7 | 5 | 27 | 10 | 22 | 120 | 95 | 50 |
| 4 11 | 515431 4 | 300 | 300 | -1 | -1 | 4 | 300 | 12 | 10 | 27 | 14 | 45 | -1 | 300 | 0 |
| 4 11 | 114111 4 | 60 | 60 | 1 | 5 | 3 | 120 | 0 | 0 | 0 | 0 | 0 | 120 | 85 | 70 |
| 4 11 | 515311 4 | -1 | -1 | -1 | -1 | -1 | 300 | 12 | 6 | 25 | 21 | 40 | -1 | -1 | 0 |
| 4 11 | 213111 4 | 0 | 0 | 7 | 120 | 10 | 60 | 0 | 0 | 0 | 0 | 0 | 80 | 80 | 0 |
| 4 11 | 413111 4 | 25 | 27 | 4 | 120 | 15 | 60 | 0 | 0 | 0 | 0 | 30 | 90 | 85 | 75 |
| 4 11 | 311111 4 | 25 | 30 | 4 | 70 | 10 | 60 | 12 | 4 | 20 | 0 | 0 | 95 | 85 | 75 |
| 4 11 | 313111 4 | 30 | 30 | 3 | 100 | 10 | 60 | 12 | 8 | 25 | 10 | 0 | 80 | 85 | 65 |
| 4 11 | 515223 4 | -1 | -1 | -1 | -1 | -1 | 300 | 12 | 8 | -1 | 14 | -1 | -1 | 300 | 0 |
| 4 11 | 414112 4 | -1 | -1 | -1 | -1 | -1 | 300 | 12 | 15 | -1 | 14 | -1 | -1 | -1 | 0 |
| 4 11 | 535111 4 | -1 | -1 | -1 | -1 | -1 | 300 | 12 | 10 | -1 | 25 | -1 | -1 | -1 | 0 |
| 4 11 | 112111 4 | 0 | 0 | 7 | 120 | 30 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| 4 11 | 514111 4 | -1 | -1 | -1 | -1 | -1 | 300 | 12 | 10 | -1 | 14 | -1 | -1 | -1 | 0 |
| 4 11 | 313112 4 | 60 | 60 | 2 | 10 | 7 | 300 | 25 | 15 | 32 | 14 | 45 | 300 | 300 | 0 |
| 4 11 | 313113 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 513111 4 | -1 | -1 | -1 | -1 | -1 | 300 | 12 | 10 | 32 | 25 | 45 | -1 | -1 | 0 |
| 4 11 | 123111 4 | 0 | 0 | 4 | 60 | 25 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| 4 11 | 334231 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 113111 4 | 25 | 30 | 4 | 60 | 15 | 80 | 8 | 4 | 25 | 10 | 30 | 80 | 80 | 75 |
| 4 11 | 521111 4 | -1 | -1 | -1 | -1 | -1 | 300 | 8 | 6 | 32 | 14 | 40 | -1 | -1 | 0 |
| 4 11 | 113121 4 | 20 | 25 | 4 | 60 | 15 | 75 | 6 | 4 | 32 | 14 | 30 | 95 | 95 | 75 |
| 4 11 | 211111 4 | 0 | 0 | 10 | 120 | 30 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| 4 11 | 224111 4 | 25 | 30 | 4 | 120 | 25 | 60 | 6 | 4 | 32 | 14 | 30 | 120 | 120 | 75 |
| 4 11 | 415314 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 312111 4 | 20 | 25 | 4 | 80 | 10 | 60 | 6 | 3 | 20 | 9 | 25 | 85 | 90 | 75 |
| 4 11 | 314112 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 314113 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 412111 4 | 25 | 25 | 4 | 120 | 25 | 60 | 6 | 4 | 19 | 10 | 30 | 95 | 95 | 65 |
| 4 11 | 414111 4 | 25 | 30 | 4 | 70 | 15 | 60 | 8 | 4 | 32 | 14 | 35 | 120 | 120 | 70 |
| 4 11 | 525111 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 111121 4 | 17 | 25 | 4 | 60 | 10 | 100 | 8 | 4 | 30 | 10 | 25 | 70 | 70 | 55 |
| 4 11 | 212111 4 | 25 | 30 | 5 | 120 | 10 | 60 | 6 | 4 | 20 | 9 | 25 | 120 | 120 | 55 |
| 4 11 | 112121 4 | 30 | 25 | 5 | 120 | 15 | 60 | 6 | 4 | 25 | 10 | 25 | 95 | 95 | 80 |
| 4 11 | 112131 4 | 20 | 25 | 4 | 70 | 10 | 16 | 10 | 4 | 30 | 13 | 35 | 120 | 120 | 65 |
| 4 11 | 111131 4 | 30 | 40 | 2 | 45 | 7 | 300 | 8 | 4 | 32 | 14 | 40 | 120 | 120 | 75 |
| 4 11 | 113131 4 | 25 | 25 | 4 | 70 | 10 | 60 | 8 | 4 | 32 | 10 | 30 | 120 | 120 | 60 |
| 4 11 | 214112 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 314111 4 | 30 | 40 | 4 | 80 | 10 | 120 | 8 | 4 | 30 | 14 | 35 | 105 | 120 | 65 |
| 4 11 | 214113 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 11 | 114112 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |

DEMOGRAPHIC DATA

| | | | WHEN SO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : | | SQUAD LEADER : | | |
| MOS : | | GUNNER : | | |
| IN ARMY : | | LOADER : | | |
| IN ARTILLERY : | | DRIVER : | | |

WHEN

COMBAT :

ARTIL. COMBAT: #SUPERVISED : 20

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW SYMP CON COMP RESP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | 15 | 20 | 5 | 25 | 8 | 6 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 12 411111 4 | 16 | 27 | 3 | 20 | 6 | 6 | 6 | 0 | 21 | 9 | . | 66 | 66 | 89 |
| 4 12 515431 3 | -1 | -1 | -1 | -1 | -1 | -1 | 20 | 8 | -1 | -1 | 110 | -1 | -1 | 2 |
| 4 12 114111 4 | 30 | 120 | 1 | 10 | 2 | 8 | 8 | 0 | 34 | 10 | 26 | 100 | 120 | 77 |
| 4 12 515311 3 | -1 | -1 | -1 | -1 | -1 | 8 | 30 | 4 | 84 | 16 | 34 | -1 | -1 | 60 |
| 4 12 213111 3 | 30 | 45 | 2 | 20 | 5 | 6 | 6 | 0 | 24 | 12 | 22 | 72 | 76 | 87 |
| 4 12 413111 3 | 20 | 25 | 3 | 20 | 7 | 6 | 6 | 0 | 24 | 14 | 0 | 70 | 70 | 88 |
| 4 12 311111 3 | 20 | 25 | 2 | 15 | 5 | 6 | 0 | 0 | 21 | 10 | 0 | 0 | 0 | 84 |
| 4 12 313111 3 | 25 | 30 | 2 | 12 | 3 | 6 | 6 | 0 | 21 | 11 | 0 | 70 | 70 | 80 |
| 4 12 515223 3 | 0 | 0 | -1 | -1 | -1 | 10 | 40 | 0 | -1 | -1 | 200 | -1 | -1 | 8 |
| 4 12 414112 3 | -1 | -1 | -1 | -1 | -1 | 10 | 32 | 0 | 68 | 28 | 29 | -1 | -1 | 54 |
| 4 12 535111 3 | -1 | -1 | -1 | -1 | -1 | 10 | 14 | 0 | 115 | 60 | 60 | -1 | -1 | 34 |
| 4 12 112111 3 | 30 | 40 | 3 | 15 | 3 | 6 | 6 | 0 | 20 | 10 | 0 | 69 | 70 | 60 |
| 4 12 514111 3 | 45 | 60 | 1 | 10 | 3 | 6 | 10 | 0 | 34 | 14 | 0 | 120 | 120 | 65 |
| 4 12 313112 3 | -1 | -1 | -1 | -1 | 1 | 8 | 8 | 0 | 66 | 28 | 30 | -1 | -1 | 44 |
| 4 12 315113 3 | -1 | -1 | -1 | -1 | -1 | 12 | -1 | 12 | 170 | 70 | 80 | -1 | -1 | 30 |
| 4 12 513111 3 | 30 | 40 | 2 | 15 | 3 | 6 | 0 | 0 | 29 | 19 | 0 | 80 | 80 | 71 |
| 4 12 123111 4 | 0 | 0 | 3 | 25 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 12 334231 3 | 30 | 40 | 2 | 10 | 4 | 6 | 6 | 0 | 24 | 14 | 0 | 78 | 78 | 70 |
| 4 12 113111 4 | 0 | 0 | 3 | 25 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 12 521111 3 | 17 | 25 | 3 | 20 | 6 | 6 | 0 | 0 | 20 | 10 | 0 | 65 | 65 | 80 |
| 4 12 113121 4 | 0 | 0 | 3 | 20 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 12 211111 4 | 19 | 24 | 3 | 15 | 6 | 6 | 6 | 0 | 19 | 9 | 0 | 64 | 64 | 82 |
| 4 12 224111 3 | 30 | 40 | 1 | 10 | 6 | 6 | 6 | 0 | 34 | 14 | 30 | 120 | 120 | 68 |
| 4 12 415314 3 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | 8 | 170 | 70 | 60 | -1 | -1 | 44 |
| 4 12 312111 3 | 30 | 40 | 1 | 10 | 5 | 6 | 0 | 0 | 34 | 14 | 0 | 80 | 80 | 73 |
| 4 12 314112 3 | -1 | -1 | -1 | 5 | 2 | 8 | 10 | 4 | 51 | 21 | 45 | -1 | -1 | 60 |
| 4 12 314113 3 | -1 | 100 | 1 | 10 | 2 | 6 | 12 | 4 | 48 | 21 | 30 | -1 | -1 | 60 |
| 4 12 412111 4 | 20 | 25 | 2 | 15 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 89 |
| 4 12 414111 3 | 30 | 40 | 1 | 5 | 2 | 6 | 8 | 4 | 34 | 14 | 25 | 85 | 85 | 75 |
| 4 12 525111 3 | -1 | -1 | 1 | -1 | -1 | 10 | 16 | 6 | 68 | 28 | 40 | -1 | -1 | 54 |
| 4 12 111121 4 | 0 | 0 | 3 | 25 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 12 212111 3 | 20 | 25 | 2 | 15 | 6 | 6 | 0 | 0 | 20 | 10 | 0 | 65 | 65 | 85 |
| 4 12 112121 4 | 0 | 0 | 3 | 25 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 12 112131 3 | 30 | 40 | 2 | 20 | 5 | 6 | 6 | 0 | 24 | 14 | 0 | 80 | 80 | 70 |
| 4 12 111131 3 | 20 | 25 | 2 | 15 | 6 | 6 | 0 | 0 | 20 | 10 | 0 | 70 | 70 | 85 |
| 4 12 113131 3 | 25 | 30 | 2 | 10 | 4 | 6 | 6 | 4 | 34 | 14 | 28 | 75 | 75 | 70 |
| 4 12 214112 3 | 30 | 40 | 1 | 7 | 3 | 6 | 8 | 4 | 38 | 18 | 25 | 80 | 80 | 69 |
| 4 12 314111 3 | 25 | 30 | 1 | 8 | 3 | 6 | 0 | 0 | 24 | 14 | 0 | 80 | 80 | 75 |
| 4 12 214113 3 | 30 | 40 | 1 | 10 | 2 | 8 | 6 | 0 | 34 | 14 | 25 | 120 | 120 | 60 |
| 4 12 114112 3 | 45 | 60 | 1 | 5 | 3 | 8 | 6 | 4 | 68 | 28 | 35 | 200 | 200 | 48 |

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : | | SQUAD LEADER : | | |
| MOS : | | GUNNER : | | |
| IN ARMY : | | LOADER : | | |
| IN ARTILLERY : | | DRIVER : | | |
| | WHEN | | | |
| COMBAT : | | | | |
| ARTIL. COMBAT: | | #SUPERVISED : 20 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW RESP | SYMP COMP CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME, SEC | | 15 | 20 | 40 | 30 | 6 | 5 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | CONFIDENCE= 3 | | | | | | | | | | | |
| 4 13 411111 | 3 | 30 | 40 | 1 | 5 | 5 | 5 | 10 | 4 | 30 | -1 | 40 | 120 | 120 | 0 |
| 4 13 515051 | 4 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 114111 | 3 | -1 | -1 | -1 | 2 | -1 | 10 | 6 | 4 | 30 | 15 | 0 | 180 | 180 | 10 |
| 4 13 515311 | 4 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 213111 | 3 | 30 | 30 | 2 | 20 | 10 | 7 | 6 | 4 | 30 | 15 | 30 | 180 | 180 | 10 |
| 4 13 413111 | 3 | 45 | 45 | 2 | 10 | 2 | 5 | 6 | 4 | 25 | 15 | 35 | -1 | -1 | 5 |
| 4 13 311111 | 3 | 30 | 30 | 3 | 10 | 5 | 5 | 6 | 0 | 25 | 20 | 0 | 120 | 180 | 10 |
| 4 13 313111 | 4 | 25 | 30 | 2 | 10 | 7 | 5 | 6 | 4 | 30 | 30 | 0 | 120 | 120 | 20 |
| 4 13 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 7 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 414112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 8 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 535111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 112111 | 4 | 20 | 30 | 2 | 15 | 5 | 4 | 0 | 0 | 20 | 10 | 0 | 100 | 100 | 60 |
| 4 13 514111 | 3 | -1 | -1 | 1 | 5 | 3 | 10 | 6 | 4 | 30 | 25 | 30 | 120 | 120 | 15 |
| 4 13 313112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 8 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 513111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 15 | 8 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 123111 | 4 | 45 | 60 | 1 | 5 | 2 | 5 | 6 | 4 | 30 | 15 | 25 | 180 | 180 | 40 |
| 4 13 334231 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 113111 | 3 | 20 | 0 | 8 | 15 | 6 | 4 | 0 | 0 | 20 | 12 | 0 | 0 | 0 | 60 |
| 4 13 521111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | 6 | 30 | 15 | 30 | -1 | -1 | 0 |
| 4 13 113121 | . | 20 | 25 | 6 | 30 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 4 13 211111 | 4 | 25 | 30 | 2 | 10 | 5 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 20 |
| 4 13 224111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | 4 | 25 | 14 | 30 | -1 | -1 | 0 |
| 4 13 413314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 312111 | 3 | 30 | 25 | 1 | 10 | 4 | 5 | 6 | 4 | 30 | 14 | 0 | 120 | 120 | 20 |
| 4 13 314112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 8 | 6 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 412111 | 4 | 30 | 30 | 1 | 10 | 5 | 5 | 6 | 4 | 30 | 14 | 25 | 180 | 180 | 0 |
| 4 13 414111 | 3 | -1 | -1 | 1 | 5 | 3 | 5 | 6 | 4 | 25 | 10 | 25 | 180 | 180 | 5 |
| 4 13 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 111121 | 4 | 20 | 25 | 2 | 15 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 4 13 212111 | 4 | 999 | 999 | 2 | 7 | 5 | 4 | 6 | 4 | 20 | 14 | 25 | 180 | 180 | 20 |
| 4 13 112121 | 4 | 25 | 25 | 2 | 15 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 4 |
| 4 13 112131 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 8 | 6 | -1 | -1 | 25 | -1 | -1 | 0 |
| 4 13 111131 | 4 | -1 | -1 | 1 | 5 | -1 | 5 | 6 | 6 | 30 | 14 | 25 | 180 | 220 | 5 |
| 4 13 113131 | 3 | 30 | 45 | 1 | 5 | 3 | 4 | 8 | 6 | 36 | 20 | 25 | 180 | 220 | 10 |
| 4 13 214112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | 4 | 40 | 14 | 30 | -1 | -1 | 0 |
| 4 13 314111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 6 | 6 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 214113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 13 114112 | 3 | -1 | -1 | -1 | -1 | 1 | 15 | 6 | 4 | 30 | 20 | -1 | -1 | -1 | 0 |

I AM THE MISSLE LOGISITICS NCO FOR THE TOW PROJECT, REDSTONE ARS I WAS AN ITV INSTRUCTOR AND LATER PLATOON SERGENT IN EUROPE AND SUPERVISED APPROX 30 PERSONNEL. I HAVE ALSO BEEN AN ANTI-ARMOR INSTRUCTOR AT FT BENNING, GA. FROM 1978-79.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 76 | 1 6 |
| MOS | :11D3HL9 | GUNNER : | 75 | 11 |
| IN ARMY | : 6YR 6MO | LOADER : | 75 | 2 |
| IN ARTILLERY | : 6YR 6 WHEN | DRIVER : | 74 | 8 |

COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

IMPROVED 10A VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW SYMP CON COMP RESP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ELECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | 15 | 20 | 10 | 60 | 20 | 15 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 15 411111 4 | 35 | 45 | 5 | 15 | 12 | 21 | 10 | 4 | 25 | 14 | 28 | 90 | 90 | 70 |
| 4 15 515431 5 | -1 | -1 | 1 | 3 | -1 | 30 | 30 | 10 | 50 | 30 | 50 | -1 | -1 | 30 |
| 4 15 134111 5 | 25 | 35 | 5 | 10 | 5 | 15 | 6 | 0 | 20 | 10 | 0 | 90 | 90 | 60 |
| 4 15 515311 4 | -1 | -1 | -1 | -1 | -1 | 20 | 10 | 5 | 40 | 40 | 40 | -1 | -1 | 30 |
| 4 15 213111 4 | 25 | 30 | 0 | 30 | 10 | 18 | 5 | 3 | 20 | 10 | 0 | 80 | 80 | 80 |
| 4 15 413111 4 | 30 | 40 | 3 | 5 | 5 | 20 | 15 | 8 | 25 | 15 | 30 | 90 | 90 | 69 |
| 4 15 311111 4 | 25 | 35 | 7 | 45 | 16 | 18 | 5 | 0 | 20 | 10 | 24 | 80 | 80 | 60 |
| 4 15 313111 3 | 30 | 40 | 4 | 10 | 6 | 20 | 10 | 5 | 25 | 15 | 25 | 90 | 90 | 76 |
| 4 15 515223 4 | -1 | -1 | -1 | -1 | -1 | 20 | 15 | 8 | 40 | 25 | 35 | -1 | -1 | 50 |
| 4 15 414112 4 | -1 | -1 | 1 | 3 | -1 | 20 | 10 | 5 | 25 | 20 | 30 | 160 | 160 | 60 |
| 4 15 535111 4 | -1 | -1 | 1 | 3 | -1 | 20 | 25 | 10 | 35 | 50 | 40 | -1 | -1 | 20 |
| 4 15 112111 4 | 20 | 25 | 0 | 35 | 10 | 15 | 0 | 0 | 0 | 10 | 0 | 80 | 80 | 80 |
| 4 15 514111 4 | -1 | -1 | 1 | 2 | 1 | 25 | 20 | 8 | 25 | 35 | 30 | 180 | 180 | 20 |
| 4 15 313112 4 | -1 | -1 | 2 | 3 | 2 | 25 | 15 | 5 | 25 | 40 | 25 | 160 | 160 | 50 |
| 4 15 315113 9 | -1 | -1 | 1 | 1 | -1 | 25 | 999 | 999 | 999 | 999 | 999 | -1 | -1 | 999 |
| 4 15 513111 4 | -1 | -1 | 1 | 3 | 1 | 20 | 15 | 5 | 25 | 40 | 25 | 160 | 160 | 30 |
| 4 15 123111 5 | 30 | 40 | 5 | 10 | 4 | 19 | 7 | 0 | 20 | 15 | 0 | 100 | 100 | 75 |
| 4 15 334231 4 | -1 | -1 | 1 | 3 | 2 | 25 | 15 | 10 | 25 | 60 | 25 | 160 | 180 | 30 |
| 4 15 113111 5 | 0 | 0 | 9 | 45 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 0 |
| 4 15 521111 4 | 25 | 30 | 8 | 30 | 10 | 20 | 10 | 5 | 25 | 30 | 25 | 80 | 80 | 70 |
| 4 15 113121 4 | 20 | 25 | 9 | 45 | 15 | 15 | 0 | 0 | 0 | 10 | 0 | 80 | 80 | 80 |
| 4 15 211111 4 | 20 | 25 | 9 | 35 | 10 | 20 | 0 | 0 | 0 | 15 | 0 | 70 | 70 | 80 |
| 4 15 224111 4 | 30 | 45 | 3 | 10 | 2 | 25 | 15 | 5 | 25 | 35 | 25 | 160 | 160 | 70 |
| 4 15 415314 5 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | 5 | 35 | -1 | -1 | -1 | -1 | 0 |
| 4 15 312111 2 | 30 | 40 | 2 | 15 | 3 | 30 | 10 | 5 | 25 | 30 | 25 | 90 | 90 | 70 |
| 4 15 314112 4 | 30 | -1 | 2 | -1 | 1 | 25 | 15 | 5 | 20 | 25 | 30 | 180 | 180 | 60 |
| 4 15 314113 4 | -1 | -1 | 1 | 2 | -1 | 40 | 15 | 5 | 30 | 100 | 50 | -1 | -1 | 20 |
| 4 15 412111 4 | 30 | 40 | 3 | 5 | 5 | 20 | 5 | 0 | 20 | 10 | 24 | 90 | 90 | 70 |
| 4 15 414111 4 | 40 | 40 | 3 | 5 | 2 | 25 | 10 | 5 | 25 | 40 | 25 | 180 | 180 | 60 |
| 4 15 525111 4 | -1 | -1 | 1 | 1 | 1 | 30 | 15 | 5 | 25 | 50 | -1 | -1 | -1 | 30 |
| 4 15 111121 4 | 0 | 0 | 9 | 50 | 20 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 15 212111 3 | 30 | 40 | 5 | 15 | 5 | 30 | 15 | 5 | 25 | 30 | 30 | 100 | 100 | 65 |
| 4 15 112121 4 | 20 | 25 | 8 | 30 | 15 | 20 | 0 | 0 | 0 | 0 | 0 | 80 | 80 | 80 |
| 4 15 112131 4 | 25 | 35 | 4 | 10 | 8 | 25 | 15 | 5 | 25 | 35 | 30 | 120 | 120 | 70 |
| 4 15 111131 4 | 30 | 40 | 3 | 15 | 0 | 25 | 10 | 5 | 25 | 35 | 30 | 80 | 80 | 70 |
| 4 15 113131 4 | 25 | 35 | 3 | 10 | 8 | 20 | 8 | 5 | 25 | 35 | 25 | 90 | 90 | 70 |
| 4 15 214112 4 | 40 | 45 | 3 | 5 | 5 | 25 | 15 | 5 | 25 | 50 | 35 | 120 | 120 | 50 |
| 4 15 314111 4 | -1 | -1 | -1 | -1 | -1 | 25 | 15 | 5 | 25 | 35 | 25 | -1 | -1 | 65 |
| 4 15 214113 4 | -1 | -1 | -1 | -1 | -1 | 35 | 15 | 5 | 25 | 45 | 35 | -1 | -1 | 999 |
| 4 15 114112 4 | -1 | -1 | -1 | -1 | -1 | 30 | 15 | 5 | 25 | 50 | -1 | -1 | -1 | 60 |

T'M A PLT. SGT. A.T. PLAT. ITV'S & VIETNAM

DEMOGRAPHIC DATA　　　WHEN　HOW LONG
　　　　　　　　　　　　60 YR　YR AGO

GRADE　:E-7　SQUAD LEADER :　78　2
MOS　:11H40　GUNNER　:
IN ARMY　:15YR　LOADER　:
IN ARTILLERY : 6YR　DRIVER　:
　　　WHEN
COMBAT　:Y　*
ARTIL. COMBAT:N　#SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | 15 | 20 | 3 | 60 | 30 | 60 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 16 | 411111 | 3 | 30 | 100 | 5 | 20 | 3 | 15 | 0 | 0 | 15 | 10 | 0 | 0 | 0 | 45 |
| 4 16 | 515431 | 4 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 16 | 114111 | 3 | -1 | -1 | 1 | -1 | -1 | 15 | 15 | 5 | 45 | -1 | 40 | -1 | -1 | 0 |
| 4 16 | 515311 | 4 | 60 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | 0 |
| 4 16 | 213111 | 3 | 30 | 100 | 2 | 10 | 3 | 40 | 0 | 5 | 30 | 30 | 0 | -1 | -1 | 35 |
| 4 16 | 413111 | 3 | 30 | 40 | 3 | 20 | 4 | 10 | 5 | 5 | 20 | 15 | 0 | -1 | -1 | 60 |
| 4 16 | 311111 | 4 | 0 | 30 | 5 | 2 | 4 | 10 | 0 | 0 | 10 | 10 | 0 | 90 | 90 | 75 |
| 4 16 | 313111 | 3 | 30 | 50 | 2 | 20 | 4 | 15 | 10 | 5 | 40 | 30 | 0 | 120 | 120 | 40 |
| 4 16 | 515223 | 4 | 120 | -1 | 999 | 999 | 999 | 120 | -1 | 60 | -1 | -1 | 60 | -1 | -1 | 0 |
| 4 16 | 414112 | 4 | 30 | 50 | 3 | 25 | 5 | 10 | 5 | 6 | 30 | 10 | 30 | 120 | 120 | 60 |
| 4 16 | 535111 | 3 | 25 | 45 | 2 | 10 | 4 | 15 | 20 | 10 | -1 | -1 | 40 | -1 | -1 | 20 |
| 4 16 | 112111 | 4 | 0 | 0 | 3 | 40 | 5 | 10 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 16 | 514111 | 3 | 40 | 100 | 3 | 15 | 4 | 15 | 10 | 5 | 40 | 20 | 30 | 90 | 90 | 25 |
| 4 16 | 313112 | 3 | 30 | 40 | -1 | -1 | -1 | 20 | 15 | 10 | 30 | 30 | 40 | 120 | 120 | 40 |
| 4 16 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 60 | 30 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 16 | 513111 | 3 | 30 | 40 | 3 | 10 | 4 | 15 | 10 | 5 | 30 | 15 | 40 | 120 | 120 | 50 |
| 4 16 | 123111 | 3 | 20 | 30 | 5 | 30 | 6 | 15 | 15 | 5 | 40 | -1 | 50 | -1 | -1 | 0 |
| 4 16 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | 20 | -1 | -1 | 100 | -1 | -1 | 0 |
| 4 16 | 113111 | 3 | 0 | 0 | 4 | 30 | 5 | 10 | 5 | 4 | 20 | 10 | 0 | 80 | 80 | 0 |
| 4 16 | 521111 | 3 | 30 | 40 | 5 | 20 | 3 | 10 | 10 | 5 | 30 | 20 | 40 | 120 | 120 | 80 |
| 4 16 | 113121 | 3 | 30 | 40 | 3 | 15 | 4 | 10 | 10 | 5 | 30 | 25 | 40 | 90 | 90 | 80 |
| 4 16 | 211111 | 3 | 20 | 30 | 3 | 20 | 3 | 10 | 6 | 4 | 15 | 10 | 0 | 0 | 0 | 80 |
| 4 16 | 224111 | 3 | 30 | 40 | 5 | 15 | 4 | 10 | 10 | 5 | 30 | 20 | 30 | 90 | 90 | 75 |
| 4 16 | 415310 | 3 | 40 | 40 | 2 | 10 | 3 | 20 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 16 | 312111 | 3 | 20 | 25 | 4 | 30 | 4 | 10 | 10 | 5 | 40 | 20 | 30 | 90 | 90 | 75 |
| 4 16 | 314112 | 3 | 30 | 40 | 2 | 5 | -1 | 10 | 15 | 6 | 40 | -1 | 40 | -1 | -1 | 40 |
| 4 16 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 16 | 412111 | 3 | 30 | 40 | 3 | 10 | 3 | 10 | 10 | 5 | 20 | 12 | 0 | 90 | 90 | 60 |
| 4 16 | 414111 | 3 | 30 | 40 | 2 | 10 | 3 | 15 | 5 | 5 | 15 | 10 | 0 | 120 | 120 | 60 |
| 4 16 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 16 | 111121 | 3 | 0 | 0 | 5 | 20 | 4 | 10 | 6 | 4 | 15 | 8 | 0 | 80 | 80 | 80 |
| 4 16 | 212111 | 3 | 40 | 100 | -1 | 5 | -1 | 20 | 10 | 6 | 30 | 20 | 60 | 120 | 120 | 35 |
| 4 16 | 112121 | 3 | 30 | 40 | 2 | 5 | 1 | 15 | 10 | 6 | 30 | 20 | 40 | 120 | 120 | 40 |
| 4 16 | 112131 | 3 | 40 | 120 | 1 | 10 | 3 | 10 | 10 | 6 | 35 | 20 | 100 | 120 | 120 | 20 |
| 4 16 | 111131 | 3 | 40 | 120 | 1 | 5 | 3 | 15 | 10 | 6 | 25 | 20 | 100 | 120 | 120 | 30 |
| 4 16 | 113131 | 3 | 50 | 100 | 1 | 5 | 3 | 15 | 10 | 6 | 20 | -1 | 40 | -1 | -1 | 0 |
| 4 16 | 214112 | 3 | 50 | 120 | 1 | 5 | -1 | 20 | 10 | 6 | 40 | 20 | 100 | 180 | 180 | 0 |
| 4 16 | 314111 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 10 | 8 | -1 | -1 | 50 | -1 | -1 | 40 |
| 4 16 | 214113 | 3 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 16 | 114112 | 3 | 40 | 100 | 2 | 5 | 3 | 10 | 10 | 6 | 30 | 20 | 40 | 120 | 120 | 40 |

PLT SGT OF ACTIV PLT WITH 66 MEN IR TIVES TO A EUROPEAN AREA. GUN JEEPS AND 113E1 TOW CAP * VIETNAM,LAOS

DEMOGRAPHIC DATA | WHEN MO YR | HOW LONG YR MO
---|---|---
GRADE :E-6 | SQUAD LEADER : | 4
MOS :11H5OE9 | GUNNER : |
IN ARMY :12YR MO | LOADER : |
IN ARTILLERY : 4YR 6 | DRIVER : |

WHEN
COMBAT :Y *
ANTIC. COMBAT:N #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS — SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: LD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | 4 | 15 | 8 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 17 | 411111 | 4 | 45 | 25 | 2 | 10 | 4 | 21 | 6 | 4 | 25 | 10 | 22 | 95 | 120 | 40 |
| 4 17 | 515431 | 4 | 999 | 999 | -1 | 2 | 2 | 22 | 6 | 5 | 30 | 20 | 30 | -1 | -1 | 0 |
| 4 17 | 114111 | 4 | 20 | 25 | 1 | 5 | 3 | 12 | 6 | 0 | 19 | 10 | 0 | 90 | 120 | 70 |
| 4 17 | 515311 | 4 | 45 | 40 | 1 | 5 | -1 | 22 | 6 | 4 | 30 | 20 | 30 | -1 | -1 | 0 |
| 4 17 | 213111 | 4 | 25 | 30 | 2 | 10 | 3 | 11 | 0 | 0 | 16 | 9 | 0 | 70 | 80 | 70 |
| 4 17 | 413111 | 4 | 20 | 30 | 2 | 10 | 3 | 12 | 0 | 0 | 20 | 10 | 0 | 90 | 120 | 70 |
| 4 17 | 311111 | 4 | 20 | 25 | 2 | 10 | 3 | 13 | 5 | 3 | 18 | 9 | 0 | 90 | 120 | 60 |
| 4 17 | 313111 | 4 | 20 | 25 | 2 | 10 | 3 | 12 | 5 | 3 | 19 | 9 | 0 | 90 | 120 | 75 |
| 4 17 | 515223 | 9 | -1 | -1 | 1 | 5 | 1 | 20 | 10 | 6 | 35 | 18 | 30 | -1 | -1 | 30 |
| 4 17 | 414112 | 4 | 20 | 30 | 1 | 5 | 2 | 12 | 6 | 3 | 20 | 10 | 25 | 90 | 120 | 30 |
| 4 17 | 535111 | 4 | -1 | -1 | 1 | 5 | 1 | 15 | 7 | 5 | 25 | 20 | 40 | -1 | -1 | 20 |
| 4 17 | 112111 | 4 | 17 | 22 | 2 | 10 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 0 |
| 4 17 | 514111 | 4 | -1 | -1 | 1 | 5 | 1 | 15 | 8 | 6 | 25 | 10 | 40 | -1 | -1 | 10 |
| 4 17 | 313112 | 4 | 30 | 40 | 1 | 5 | 2 | 12 | 8 | 6 | 24 | 14 | 30 | 120 | 120 | 60 |
| 4 17 | 315113 | 4 | 999 | 999 | 1 | 5 | 1 | 15 | 8 | 4 | 24 | 14 | 30 | -1 | -1 | 10 |
| 4 17 | 513111 | 4 | 35 | 30 | 2 | 4 | 1 | 15 | 6 | 4 | 20 | 14 | 0 | 120 | 120 | 30 |
| 4 17 | 123111 | 4 | 20 | 25 | 3 | 10 | 3 | 16 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 0 |
| 4 17 | 334231 | 4 | 30 | 40 | 1 | 5 | 1 | 15 | 6 | 4 | 20 | 14 | 25 | -1 | -1 | 10 |
| 4 17 | 113111 | 4 | 20 | 25 | 2 | 10 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 85 |
| 4 17 | 521111 | 4 | 25 | 30 | 1 | 5 | 2 | 12 | 6 | 4 | 20 | 14 | 25 | 120 | 120 | 40 |
| 4 17 | 113121 | 4 | 20 | 30 | 1 | 10 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 65 |
| 4 17 | 211111 | 4 | 30 | 30 | 1 | 5 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 75 |
| 4 17 | 234111 | 4 | 25 | 30 | 1 | 5 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 80 |
| 4 17 | 415314 | 4 | -1 | -1 | 1 | 5 | 1 | 16 | 8 | 4 | 30 | 14 | 30 | -1 | -1 | 0 |
| 4 17 | 312111 | 4 | 25 | 25 | 1 | 5 | 3 | 13 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 60 |
| 4 17 | 314112 | 4 | 35 | 30 | 1 | 5 | 2 | 12 | 0 | 0 | 20 | 0 | 0 | 90 | 90 | 60 |
| 4 17 | 314113 | 4 | 30 | 30 | 1 | 5 | 2 | 13 | 6 | 4 | 30 | 14 | 30 | -1 | -1 | 40 |
| 4 17 | 412111 | 4 | 20 | 25 | 1 | 5 | 2 | 12 | 6 | 4 | 19 | 10 | 25 | 90 | 90 | 75 |
| 4 17 | 414111 | 4 | 20 | 25 | 1 | 5 | 2 | 12 | 6 | 4 | 20 | 14 | 30 | 120 | 120 | 75 |
| 4 17 | 525111 | 4 | -1 | -1 | 1 | 5 | -1 | 16 | 6 | 6 | 20 | 10 | 30 | -1 | -1 | 40 |
| 4 17 | 111121 | 4 | 20 | 25 | 2 | 10 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 80 |
| 4 17 | 212111 | 4 | 20 | 25 | 1 | 10 | 2 | 12 | 0 | 0 | 0 | 0 | 25 | 90 | 90 | 77 |
| 4 17 | 112121 | 4 | 20 | 25 | 2 | 10 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 80 |
| 4 17 | 112131 | 4 | 20 | 25 | 1 | 10 | 2 | 12 | 6 | 4 | 20 | 14 | 25 | 120 | 120 | 70 |
| 4 17 | 111131 | 4 | 20 | 25 | 1 | 5 | 2 | 12 | 0 | 0 | 0 | 0 | 25 | 90 | 90 | 70 |
| 4 17 | 113131 | 4 | 20 | 25 | 1 | 10 | 2 | 12 | 0 | 0 | 0 | 0 | 25 | 75 | 75 | 70 |
| 4 17 | 214112 | 4 | 25 | 30 | 1 | 5 | 1 | 15 | 6 | 4 | 20 | 14 | 30 | 120 | 120 | 70 |
| 4 17 | 314111 | 4 | 30 | 40 | 1 | 5 | 2 | 12 | 6 | 4 | 20 | 14 | 30 | 120 | 120 | 60 |
| 4 17 | 214113 | 4 | 30 | 25 | 1 | 5 | 2 | 14 | 999 | 999 | 999 | 999 | 999 | 150 | 120 | 50 |
| 4 17 | 114112 | 4 | 30 | 30 | 1 | 5 | 2 | 15 | 6 | 4 | 20 | 14 | 25 | 150 | 120 | 70 |

ANTI TANK PLT SGT, ASSISTED IN THE TRAINING OF NCO'S AND ELISTEDMEN IN THE MAINT AND TACTICAL DEPLOYMENT OF ANTI ARMOR SQUADS AN AND SECTION. * 2 YRS 106, 3 YRS JEEP TOW, 2 YRS TOW TRACK, 2 YRS DRAGON SQD. LDR.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER | : 6 74 | 3 6 |
| MOS | :11H30 | GUNNER | :12 73 | 6 |
| IN ARMY | : 9YR AND | LOADER | : | |
| IN ARTILLERY | : 9YR | * DRIVER | : 8 73 | 4 |

WHEN

COMBAT :N

ARTIL. COMBAT:N #SUPERVISED :>50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW SYMP CON RESP | COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | LD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| USUAL TIME,SEC | | 15 | 20 | SELF-STIPULATED VALUES 8 | 40 | 15 | 5 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | CONFIDENCE= 5 | | | | | | | | | | | |
| 4 18 411111 | 4 | 30 | 40 | 3 | 10 | 4 | 25 | 20 | 20 | 30 | 15 | 30 | 80 | 80 | 60 |
| 4 18 515431 | 5 | -1 | -1 | -1 | -1 | 0.1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 18 114111 | 4 | 60 | 1 | 1 | 2 | 2 | 4 | 10 | 10 | 30 | 20 | 40 | 120 | 120 | 15 |
| 4 18 515311 | 5 | -1 | -1 | -1 | 1 | 1 | 40 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 5 |
| 4 18 213111 | 5 | 60 | 60 | 2 | 2 | 2 | 40 | 20 | 15 | 45 | 30 | 40 | 120 | 120 | 20 |
| 4 18 413111 | 4 | 60 | 120 | 1 | 2 | 3 | 30 | 20 | 20 | 40 | 25 | 40 | -1 | -1 | 20 |
| 4 18 311111 | 5 | 60 | 90 | 1 | 1 | 2 | 20 | 30 | 30 | 45 | 40 | 45 | -1 | -1 | 10 |
| 4 18 313111 | 3 | 60 | 90 | 1 | 2 | 2 | 20 | 30 | 30 | 40 | 30 | 40 | -1 | -1 | 20 |
| 4 18 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 414112 | 5 | -1 | -1 | -1 | -1 | -1 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 535111 | 5 | -1 | -1 | -1 | -1 | -1 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 112111 | 5 | 45 | 60 | 2 | 1.5 | 5 | 2 | 15 | 15 | 30 | 15 | 30 | 90 | 90 | 55 |
| 4 18 514111 | 5 | -1 | -1 | 1 | -1 | 1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 313112 | 5 | -1 | -1 | 1 | 1 | 1 | 20 | 40 | 40 | 60 | 40 | 40 | 140 | 140 | 10 |
| 4 18 315113 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 513111 | 4 | -1 | -1 | 1 | 1 | 1 | 30 | 30 | 30 | 50 | 25 | 40 | 120 | 120 | 20 |
| 4 18 123111 | 4 | 40 | 40 | 2 | 1 | 2 | 20 | 15 | 15 | 25 | 15 | 30 | 80 | 80 | 40 |
| 4 18 334231 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 113111 | 5 | 40 | 60 | 2 | 1 | 2 | 20 | 20 | 15 | 25 | 20 | 40 | 90 | 90 | 60 |
| 4 18 521111 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 113121 | 9 | 45 | 80 | 2 | 2 | 1 | 30 | 30 | 30 | 30 | 20 | 40 | 90 | 90 | 30 |
| 4 18 211111 | 5 | 60 | 60 | 2 | 2 | 2 | 20 | 10 | 10 | 20 | 10 | 25 | 90 | 90 | 65 |
| 4 18 224111 | 4 | 60 | 120 | 2 | 1 | 1 | 3 | 30 | 20 | 25 | 20 | 45 | 100 | 100 | 40 |
| 4 18 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 312111 | 5 | 60 | 60 | 2 | 1 | 3 | 20 | 20 | 20 | 25 | 20 | 40 | 100 | 100 | 40 |
| 4 18 314112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 314113 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 412111 | 9 | 60 | 60 | 1 | 1 | 2 | 30 | 15 | 15 | 20 | 15 | 30 | 90 | 90 | 65 |
| 4 18 414111 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 525111 | 5 | -1 | -1 | -1 | -1 | -1 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 111121 | 5 | 0 | 0 | 4 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 18 212111 | 4 | 60 | 60 | 6 | 4 | 5 | 10 | 10 | 10 | 20 | 20 | 40 | 80 | 80 | 60 |
| 4 18 112121 | 5 | 0 | 0 | 4 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 18 112131 | 5 | 45 | 50 | 1 | 2 | 3 | 10 | 15 | 15 | 30 | 30 | 45 | 120 | 120 | 30 |
| 4 18 111131 | 4 | 0 | 0 | 4 | 2 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 18 113131 | 5 | 45 | 45 | 2 | 2 | 3 | 10 | 15 | 15 | 25 | 15 | 40 | 120 | 120 | 40 |
| 4 18 214112 | 5 | -1 | -1 | 1 | 1 | 2 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 18 314111 | 4 | -1 | -1 | -1 | -1 | -1 | 1.5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 214113 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 18 114112 | 9 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |

3 YRS WITH THE TOW ON APC AND 3 YRS ON JEEP. I HAVE BEEN SQUAD LEADER AND SECTION LEADER.

DEMOGRAPHIC DATA          WHEN    HOW LONG
                          NO YR   YR NO
GRADE :E-6      SQUAD LEADER : 73 3
MOS :11H5P      GUNNER :
IN ARMY :12YR   LOADER :
IN ARTILLERY : 6YR    DRIVER :
WHEN
COMBAT :N
ARTIL. COMBAT:N     #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW SYMP CON / COMP / RESP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CO DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME, SEC | 15 | 20 | 2 | 30 | 5 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | CONFIDENCE= 9 | | | | | | | | | | | |
| 4 19 411111 3 | 30 | 30 | 1 | 20 | 5 | 10 | 7 | 5 | 20 | 10 | 25 | 90 | 90 | 80 |
| 4 19 515431 3 | -1 | -1 | 2 | 15 | 5 | 10 | 10 | 4 | 25 | 10 | 30 | 70 | 90 | 30 |
| 4 19 114111 3 | 40 | 45 | 1 | 10 | 3 | 10 | 0 | 0 | 20 | 10 | 25 | 90 | 90 | 60 |
| 4 19 515311 3 | 20 | 30 | 1 | 20 | 2 | 10 | 5 | 0 | 20 | 10 | 30 | 80 | 90 | 70 |
| 4 19 213111 4 | 15 | 25 | 2 | 20 | 3 | 10 | 5 | 4 | 20 | 10 | 25 | 70 | 80 | 80 |
| 4 19 413111 3 | 30 | 25 | 2 | 10 | 2 | 10 | 5 | 3 | 20 | 10 | 25 | 80 | 80 | 85 |
| 4 19 311111 3 | 25 | 30 | 1 | 20 | 2 | 10 | 0 | 4 | 20 | 10 | 0 | 80 | 80 | 60 |
| 4 19 313111 3 | 20 | 25 | 2 | 20 | 2 | 10 | 0 | 3 | 15 | 10 | 25 | 70 | 80 | 65 |
| 4 19 515223 3 | 30 | 30 | 1 | 10 | 2 | 15 | 5 | 5 | 25 | 10 | 25 | 90 | 90 | 0 |
| 4 19 414112 4 | 20 | 25 | 2 | 20 | 5 | 10 | 7 | 4 | 15 | 10 | 25 | 30 | 80 | 0 |
| 4 19 535111 4 | 20 | 25 | 2 | 20 | 5 | 10 | 5 | 5 | 25 | 8 | 25 | 95 | 80 | 0 |
| 4 19 112111 4 | 20 | 25 | 2 | 20 | 4 | 10 | 5 | 4 | 20 | 8 | 25 | 85 | 80 | 0 |
| 4 19 514111 4 | 30 | 30 | 1 | 10 | 2 | 10 | 5 | 8 | 20 | 10 | 30 | 90 | 90 | 0 |
| 4 19 313112 3 | 20 | 25 | 2 | 20 | 3 | 10 | 0 | 5 | 20 | 10 | 25 | 65 | 80 | 0 |
| 4 19 315113 2 | 25 | 30 | 1 | 15 | 3 | 15 | 5 | 8 | 25 | 15 | 30 | 85 | 90 | 65 |
| 4 19 513111 3 | 20 | 25 | 2 | 15 | 3 | 10 | 5 | 5 | 20 | 10 | 25 | 90 | 90 | 60 |
| 4 19 123111 4 | 20 | 25 | 2 | 15 | 3 | 10 | 5 | 5 | 20 | 10 | 25 | 80 | 80 | 80 |
| 4 19 334231 2 | 40 | 40 | 1 | 5 | 2 | 15 | 5 | 5 | 20 | 15 | 30 | 90 | 90 | 0 |
| 4 19 113111 4 | 20 | 25 | 2 | 15 | 4 | 10 | 0 | 4 | 20 | 10 | 25 | 90 | 90 | 0 |
| 4 19 521111 3 | 20 | 25 | 2 | 20 | 4 | 10 | 5 | 3 | 20 | 10 | 25 | 89 | 80 | 60 |
| 4 19 113121 3 | 30 | 40 | 1 | 10 | 2 | 10 | 0 | 4 | 20 | 15 | 30 | 80 | 80 | 80 |
| 4 19 211111 3 | 20 | 25 | 2 | 20 | 5 | 10 | 0 | 3 | 20 | 10 | 25 | 65 | 85 | 65 |
| 4 19 224111 3 | 30 | 30 | 1 | 10 | 1 | 10 | 0 | 4 | 20 | 10 | 25 | 80 | 80 | 80 |
| 4 19 413310 4 | 30 | 40 | 1 | 5 | 2 | 10 | -1 | 5 | 20 | 10 | -1 | -1 | -1 | 80 |
| 4 19 312111 3 | 20 | 25 | 2 | 20 | 4 | 10 | 0 | 4 | 20 | 10 | 25 | -1 | 85 | 85 |
| 4 19 314112 3 | 30 | 35 | 1 | 10 | 1 | 10 | 0 | 4 | 20 | 10 | -1 | -1 | 80 | 80 |
| 4 19 314113 3 | 30 | 35 | 1 | 10 | 1 | 10 | 0 | 3 | 20 | 10 | 25 | -1 | -1 | 80 |
| 4 19 412111 3 | 25 | 30 | 1 | 20 | 3 | 5 | 0 | 3 | 20 | 10 | 25 | 80 | 80 | 80 |
| 4 19 414111 3 | 30 | 30 | 1 | 5 | 3 | 10 | 0 | 3 | 20 | 10 | 25 | 60 | 80 | 60 |
| 4 19 525111 4 | 30 | 30 | 1 | 10 | 2 | 10 | 5 | 3 | 20 | 10 | 25 | 80 | 80 | 80 |
| 4 19 111121 4 | 30 | 30 | 1 | 10 | 1 | 10 | 0 | 3 | 20 | 10 | 25 | 80 | 80 | 60 |
| 4 19 212111 3 | 30 | 30 | 1 | 15 | 2 | 10 | 0 | 3 | 20 | 10 | 25 | 80 | 80 | 80 |
| 4 19 112121 3 | 30 | 30 | 1 | 10 | 2 | 10 | 0 | 3 | 20 | 10 | 25 | 60 | 80 | 80 |
| 4 19 112131 3 | 30 | 30 | 1 | 10 | 2 | 10 | 5 | 4 | 25 | 10 | 25 | 80 | 80 | 60 |
| 4 19 111131 3 | 20 | 25 | 2 | 20 | 4 | 5 | 0 | 3 | 20 | 10 | 25 | 80 | 80 | 60 |
| 4 19 113131 2 | 30 | 30 | 1 | 15 | 4 | 5 | 6 | 3 | 20 | 10 | 25 | -1 | -1 | 80 |
| 4 19 214112 4 | 30 | 35 | 1 | 5 | 1 | 10 | 6 | 3 | 20 | 10 | 25 | -1 | -1 | 60 |
| 4 19 314111 3 | 30 | 30 | 1 | 10 | 2 | 5 | 6 | 3 | 20 | 10 | 25 | 80 | 80 | 60 |
| 4 19 214113 3 | 30 | 35 | 1 | 10 | 2 | 10 | 5 | 3 | 20 | 10 | 25 | -1 | -1 | 60 |
| 4 19 114112 4 | 30 | 30 | 1 | 5 | 1 | 5 | 6 | 3 | 20 | 10 | 25 | 80 | 80 | 80 |

PLT SGT ANTI TANK PLT, 6 GUNS 15 VEHICLES- BRIEF-

DEMOGRAPHIC DATA

| | | | WHEN | HOW LONG |
|---|---|---|---|---|
| | | | MO YR | YR MO |
| GRADE : | | SQUAD LEADER : | 12 75 | 2 |
| MOS : | | GUNNER : | 9 75 | 3 |
| IN ARMY | :15YR | LOADER : | 6 74 | 3 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW IN ARTILLERY : 8YR DRIVER :

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW | RESP | SIMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | LD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| USUAL | | TIME, SEC | | 15 | 20 | UNSTIPULATED | | | | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| 4 | 20 | 411111 | 3 | 30 | 45 | 2 | 10 | 2 | 8 | 5 | 3 | 30 | 12 | 0 | 120 | 110 | 70 |
| 4 | 20 | 515431 | 4 | 80 | 120 | 1 | 1 | 1 | 20 | 8 | 4 | 45 | 16 | 35 | -1 | -1 | 30 |
| 4 | 20 | 114111 | 4 | 30 | 60 | 1 | 1 | 1 | 10 | 5 | 0 | 20 | 9 | 25 | 75 | 75 | 70 |
| 4 | 20 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | 40 | 10 | 4 | 60 | 17 | 40 | -1 | -1 | 0 |
| 4 | 20 | 215111 | 4 | 17 | 22 | 3 | 50 | 6 | 7 | 0 | 0 | 19 | 8 | 0 | 70 | 70 | 85 |
| 4 | 20 | 415111 | 3 | 25 | 40 | 2 | 15 | 5 | 7 | 6 | 3 | 25 | 11 | 25 | 80 | 0 | 70 |
| 4 | 20 | 511111 | 4 | 20 | 25 | 2 | 30 | 5 | 7 | 0 | 0 | 19 | 9 | 0 | 60 | 80 | 70 |
| 4 | 20 | 313111 | 3 | 20 | 25 | 2 | 10 | 4 | 8 | 5 | 3 | 20 | 8 | 22 | 80 | 80 | 75 |
| 4 | 20 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 30 | 8 | 6 | -1 | 29 | -1 | -1 | -1 | 0 |
| 4 | 20 | 414112 | 3 | 30 | 40 | 2 | 10 | 4 | 8 | 6 | 4 | 22 | 9 | 25 | 60 | 80 | 70 |
| 4 | 20 | 535111 | 5 | -1 | -1 | -1 | -1 | -1 | 18 | 16 | 6 | 60 | 26 | 60 | -1 | -1 | 0 |
| 4 | 20 | 112111 | 5 | 20 | 25 | 4 | 30 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 88 |
| 4 | 20 | 514111 | 3 | 30 | 40 | 1 | 1 | -1 | 10 | 7 | 4 | 20 | 11 | 30 | 85 | 85 | 65 |
| 4 | 20 | 315112 | 3 | 85 | 110 | -1 | -1 | -1 | 14 | 6 | 4 | 22 | 12 | 24 | 100 | 100 | 40 |
| 4 | 20 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 12 | 4 | 60 | 15 | 40 | -1 | -1 | 0 |
| 4 | 20 | 515111 | 3 | 40 | 120 | 1 | 2 | 1 | 10 | 7 | 4 | 30 | 12 | 20 | 95 | 90 | 60 |
| 4 | 20 | 123111 | 4 | 19 | 40 | 2 | 20 | 3 | 7 | 0 | 0 | 20 | 8 | 0 | 70 | 70 | 55 |
| 4 | 20 | 534251 | 4 | -1 | -1 | -1 | -1 | 1 | 10 | 6 | 4 | 30 | 12 | 35 | 90 | 90 | 15 |
| 4 | 20 | 115111 | 4 | 20 | 30 | 3 | 30 | 5 | 7 | 0 | 0 | 19 | 8 | 0 | 70 | 70 | 85 |
| 4 | 20 | 321111 | 3 | 45 | 60 | -1 | 5 | -1 | 8 | 0 | 4 | 35 | 14 | 35 | 85 | 85 | 60 |
| 4 | 20 | 115121 | 9 | 20 | 25 | 3 | 30 | 5 | 6 | 0 | 0 | 16 | 0 | 0 | 70 | 70 | 85 |
| 4 | 20 | 211111 | 3 | 20 | 60 | 2 | 5 | -1 | 8 | 0 | 0 | 20 | 0 | 0 | 80 | 80 | 80 |
| 4 | 20 | 224111 | 3 | 35 | 65 | 2 | 2 | 1 | 7 | 8 | 4 | 35 | 19 | 35 | 130 | 130 | 60 |
| 4 | 20 | 415314 | 5 | 60 | 70 | -1 | -1 | -1 | 20 | 9 | 5 | 40 | 15 | 40 | -1 | -1 | 0 |
| 4 | 20 | 312111 | 3 | 40 | 65 | 1 | 3 | -1 | 10 | 6 | 4 | 25 | 10 | 26 | 80 | 80 | 65 |
| 4 | 20 | 314112 | 3 | 45 | 69 | 1 | 1 | -1 | 10 | 6 | 4 | 36 | 14 | 44 | 136 | 135 | 0 |
| 4 | 20 | 314113 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 12 | 4 | 40 | 21 | 40 | -1 | -1 | 0 |
| 4 | 20 | 412111 | 3 | 45 | 70 | 1 | 4 | 1 | 8 | 6 | 4 | 20 | 11 | 25 | 80 | 80 | 80 |
| 4 | 20 | 414111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 8 | 4 | 39 | 14 | 44 | 160 | 180 | 0 |
| 4 | 20 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 10 | 8 | 4 | 30 | 10 | 40 | -1 | -1 | 0 |
| 4 | 20 | 111121 | 3 | 20 | 25 | 2 | 25 | 2 | 8 | 0 | 0 | 18 | 9 | 0 | 70 | 70 | 85 |
| 4 | 20 | 212111 | 3 | 45 | 136 | 1.5 | 10 | 2 | 8 | 0 | 3 | 34 | 13 | 29 | 80 | 80 | 50 |
| 4 | 20 | 112121 | 3 | 30 | 40 | 2 | 10 | 4 | 8 | 0 | 0 | 20 | 10 | 25 | 60 | 80 | 70 |
| 4 | 20 | 112131 | 3 | 45 | 120 | 1 | 9 | 3 | 9 | 7 | 3 | 35 | 14 | 40 | 130 | 122 | 55 |
| 4 | 20 | 111131 | 3 | 45 | 120 | 1 | 9 | 3 | 9 | 7 | 3 | 35 | 14 | 40 | 130 | 20 | 999 |
| 4 | 20 | 115131 | 3 | 50 | 125 | 1 | 1 | 1 | 11 | 9 | 9 | 40 | 16 | 46 | 135 | 130 | 19 |
| 4 | 20 | 214112 | 9 | -1 | -1 | -1 | -1 | -1 | 12 | 10 | 5 | 39 | 21 | 59 | -1 | -1 | 0 |
| 4 | 20 | 314111 | 3 | 40 | 45 | 2 | 2 | 1 | 8 | 9 | 3 | 30 | 12 | 30 | 80 | 80 | 20 |
| 4 | 20 | 214113 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 12 | 5 | 50 | 21 | 60 | -1 | -1 | 0 |
| 4 | 20 | 114112 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 12 | 5 | 40 | 21 | 60 | -1 | -1 | 0 |

I'M CURRENTLY ASSIGNED AS A DRILL SGT. HERE ON FT. BENNING. THE ONLY CONTACT IVE HAD WITH THE TOW AS BEEN IN SKILL LEVEL I TASKS THAT I HAD TO REINFORCE WITH MY TRAINEES.

DEMOGRAPHIC DATA          WHEN    HOW LONG
                          GO YR   YR MO

GRADE            :E-6       SQUAD LEADER :        5
MOS              :11H3X     GUNNER       :
IN ARMY          : 7YR  AND LOADER       :
IN ARTILLERY     : 7YR      DRIVER       :
                   MO.
COMBAT           :N
ARTIL. COMBAT:N             #SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | | | | INDIVIDUAL TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW | RESP | SYMP CODE | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY PACK | TARGET TRACKING ACCURACY |
| | | | | SELF-STIPULATED VALUES | | | | | | | | | | | | | |
| USUAL TIME,SEC | | | | 15 | 20 | 7 | 60 | 10 | 12 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | CONFIDENCE= 0 | | | | | | | | | | | | | |
| 4 | 21 | 411111 | 4 | 0 | 24 | 3 | 40 | 6 | 15 | 0 | 0 | 0 | 0 | 0 | 65 | 75 | 36 |
| 4 | 21 | 515431 | 5 | -1 | -1 | 1 | 2 | 1 | 60 | 20 | 10 | 60 | 30 | 60 | -1 | -1 | 40 |
| 4 | 21 | 114111 | 3 | 60 | 90 | 2 | 4 | 4 | 20 | 15 | 0 | 25 | 15 | 35 | 120 | 180 | 60 |
| 4 | 21 | 515311 | 4 | -1 | -1 | 1 | 1 | 2 | 60 | 10 | 4 | 30 | 18 | 70 | -1 | -1 | 70 |
| 4 | 21 | 213111 | 3 | 25 | 30 | 3 | 5 | 4 | 20 | 0 | 0 | 25 | 12 | 0 | 70 | 100 | 65 |
| 4 | 21 | 413111 | 4 | 25 | 30 | 4 | 5 | 3 | 15 | 5 | 0 | 20 | 12 | 0 | 75 | 90 | 35 |
| 4 | 21 | 311111 | 4 | 0 | 0 | 6 | 10 | 6 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| 4 | 21 | 313111 | 4 | 20 | 30 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 80 | 85 | 67 |
| 4 | 21 | 515223 | 5 | -1 | -1 | 1 | -1 | 1 | 20 | 10 | 0 | 999 | 20 | 60 | -1 | -1 | 40 |
| 4 | 21 | 414112 | 4 | -1 | 60 | 2 | 2 | 4 | 20 | 6 | 3 | 25 | 17 | 0 | -1 | -1 | 30 |
| 4 | 21 | 535111 | 4 | -1 | -1 | 1 | 2 | 1 | 12 | 6 | 4 | 24 | 15 | 60 | -1 | -1 | 40 |
| 4 | 21 | 112111 | 5 | 0 | 0 | 6 | 20 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 85 |
| 4 | 21 | 514111 | 4 | 20 | 30 | 3 | 3 | 4 | 12 | 0 | 0 | 24 | 10 | 0 | 120 | 120 | 70 |
| 4 | 21 | 5[illegible]5112 | 4 | -1 | 60 | 3 | 2 | 4 | 12 | 7 | 0 | 30 | 15 | 40 | -1 | -1 | 65 |
| 4 | 21 | 315113 | 5 | -1 | -1 | 1 | -1 | -1 | 20 | 15 | 7 | 35 | 12 | 40 | -1 | -1 | 20 |
| 4 | 21 | 51311[illegible] | 4 | 85 | 60 | 3 | 4 | 5 | 17 | 7 | 5 | 30 | 15 | 40 | 90 | 120 | 70 |
| 4 | 21 | 123111 | 5 | 0 | 0 | 6 | 15 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 |
| 4 | 21 | 334231 | 4 | -1 | 60 | 1 | 2 | 3 | 15 | 10 | 6 | 35 | 15 | 45 | 140 | 180 | 40 |
| 4 | 21 | 113111 | 5 | 0 | 0 | 6 | 20 | 10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 69 |
| 4 | 21 | 521111 | 5 | 0 | 0 | 5 | 10 | 7 | 12 | 0 | 0 | 0 | 10 | 0 | 50 | 120 | 75 |
| 4 | 21 | 113121 | 4 | 0 | 0 | 4 | 10 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 70 | 90 | 65 |
| 4 | 21 | 211111 | 4 | 0 | 0 | 4 | 8 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| 4 | 21 | 224111 | 4 | [illegible] | 40 | 3 | 4 | 4 | 12 | 0 | 0 | 0 | 12 | 25 | 75 | 90 | 82 |
| 4 | 21 | 415314 | 5 | -1 | -1 | -1 | -1 | 1 | 20 | 14 | 7 | 35 | -1 | 60 | -1 | -1 | 10 |
| 4 | 21 | 312111 | 4 | 25 | 40 | 2 | 3 | 4 | 17 | 8 | 3 | 25 | 12 | 27 | 80 | 90 | 50 |
| 4 | 21 | 314112 | 5 | -1 | -1 | -1 | -1 | 1 | 12 | 30 | 10 | 40 | -1 | 999 | -1 | -1 | 20 |
| 4 | 21 | 314113 | 5 | -1 | -1 | -1 | -1 | 1 | 17 | 14 | 7 | 50 | 30 | 45 | -1 | -1 | 30 |
| 4 | 21 | 412111 | 5 | 0 | 0 | 7 | 8 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 70 | 75 | 85 |
| 4 | 21 | 414111 | 4 | 30 | 45 | 3 | 1 | 2 | 17 | 7 | 0 | 30 | 14 | 45 | 90 | 120 | 40 |
| 4 | 21 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | 25 | 12 | 10 | 60 | 40 | 60 | -1 | -1 | 10 |
| 4 | 21 | 111121 | 5 | 0 | 0 | 7 | 10 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 65 | 20 | 99 |
| 4 | 21 | 212111 | 4 | 0 | 0 | 999 | 7 | 7 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 4 | 21 | 112121 | 4 | 0 | 0 | 7 | 5 | 5 | 12 | 0 | 0 | 0 | 0 | 0 | 70 | 90 | 60 |
| 4 | 21 | 112131 | 4 | 40 | 70 | 2 | 1 | 3 | 20 | 7 | 5 | 25 | 17 | 35 | 120 | 180 | 50 |
| 4 | 21 | 111131 | 4 | 40 | 55 | 2 | 4 | 2 | 20 | 7 | 4 | 27 | 17 | 40 | 120 | 180 | 999 |
| 4 | 21 | 113131 | 4 | 25 | 30 | 2 | 1 | 2 | 17 | 7 | 5 | 27 | 17 | 40 | 100 | 130 | 65 |
| 4 | 21 | 214112 | 4 | -1 | -1 | 2 | 1 | 2 | 25 | 16 | 7 | 27 | 15 | 40 | -1 | -1 | 30 |
| 4 | 21 | 314111 | 5 | 25 | 40 | 3 | 2 | 4 | 20 | 0 | 0 | 20 | 10 | 25 | 70 | 95 | 75 |
| 4 | 21 | 214113 | 5 | -1 | -1 | -1 | -1 | 1 | 25 | 10 | 8 | 30 | -1 | 50 | -1 | -1 | 10 |
| 4 | 21 | 114112 | 4 | -1 | -1 | 1 | -1 | 1 | 20 | 10 | 5 | 27 | 14 | 60 | -1 | -1 | 40 |

SECTION SGT RESPONSIBLE FOR 6 F-M AND 2 TON VEHICLE, PRESENT DUTY IS PLT SGT OF 12 ITV AND 57 EM.

DEMOGRAPHIC DATA — WHEN / HOW LONG (TO YR / YR MO)

GRADE : E-6 — SQUAD LEADER : 7 74 — 6
MOS : 11H30 — GUNNER :
IN ARMY : 11YR AND — LOADER :
IN ARTILLERY : 6YR — DRIVER :
WHEN
COMBAT : N
ARTIL. COMBAT: N — #SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
999=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW RESP | STMP COMP | CON CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SQUAD LEADER: DFSTG TGT AZ | SQUAD LEADER: LD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR AND FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SOLITARY TASKS | | | | | | CREW TASKS | | | | | | | |
| USUAL TIME,SEC | | 15 | 20 | 2 | 5 | 2 | 30 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | CONFIDENCE= 8 | | | | | | | | | | | |
| 4 22 | 411111 8 | 0 | 40 | 2 | 5 | 3 | 15 | 0 | 4 | 0 | 0 | 0 | 120 | 0 | 65 |
| 4 22 | 515451 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | 0 |
| 4 22 | 114111 8 | 120 | 60 | 1 | 3 | 2 | 15 | 6 | 3 | 0 | 0 | 45 | 130 | 100 | 65 |
| 4 22 | 515311 3 | -1 | -1 | -1 | -1 | -1 | 15 | 30 | 100 | 20 | 60 | 35 | -1 | 90 | 80 |
| 4 22 | 213111 3 | 60 | 150 | 3 | 5 | 3 | 15 | 0 | 0 | 90 | 30 | 35 | 0 | 70 | 40 |
| 4 22 | 413111 3 | 10 | 25 | 2 | 15 | 5 | 12 | 8 | 3 | 12 | 9 | 110 | 90 | 90 | 65 |
| 4 22 | 311111 3 | 0 | 8 | 4 | 20 | 6 | 15 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 60 |
| 4 22 | 3?3111 3 | 0 | 30 | 4 | 6 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 90 | 0 | 75 |
| 4 22 | 515223 8 | 20 | -1 | -1 | 3 | -1 | 90 | 10 | 6 | 20 | 16 | 70 | 120 | 80 | 35 |
| 4 22 | 414112 3 | 20 | 220 | 2 | 5 | 3 | 12 | 12 | 6 | 0 | 0 | 60 | 120 | 95 | 63 |
| 4 22 | 535111 3 | 30 | 30 | 2 | 3 | 2 | 12 | 8 | 12 | 36 | 20 | 110 | 90 | 100 | 65 |
| 4 22 | 112111 8 | 0 | 0 | 4 | 18 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| 4 22 | 514111 3 | 45 | 35 | 1 | 10 | 2 | 9 | 12 | 6 | 23 | 14 | 0 | 90 | 85 | 78 |
| 4 22 | 313112 4 | -1 | 60 | 1 | 4 | 1 | 20 | 8 | 6 | 0 | 12 | 35 | 120 | 95 | 68 |
| 4 22 | 313113 4 | -1 | -1 | -1 | 2 | -1 | 20 | 12 | 4 | 120 | 145 | 100 | -1 | 90 | 48 |
| 4 22 | 515111 4 | 20 | 30 | 3 | 10 | 3 | 15 | 6 | 5 | 25 | 9 | 30 | 90 | 90 | 80 |
| 4 22 | 123111 3 | 10 | 90 | 3 | 3 | 1 | 12 | 10 | 9 | 0 | 0 | 0 | 100 | 95 | 78 |
| 4 22 | 334231 8 | -1 | -1 | -1 | -1 | -1 | 300 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 22 | 113111 3 | 0 | 0 | 4 | 15 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 22 | 521111 3 | 30 | 25 | 3 | 6 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 22 | 113121 3 | 20 | 30 | 3 | 15 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 |
| 4 22 | 211111 3 | 0 | 0 | 4 | 12 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 22 | 224111 3 | 20 | 30 | 4 | 10 | 3 | 9 | 9 | 6 | 0 | 0 | 25 | 100 | 90 | 0 |
| 4 22 | 415314 3 | 60 | 70 | 2 | 8 | 3 | 9 | 15 | 9 | 0 | 0 | 25 | 90 | 70 | 88 |
| 4 22 | 312111 3 | 10 | 26 | 3 | 12 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 89 |
| 4 22 | 314112 3 | 30 | 26 | 1 | 4 | 1 | 12 | 9 | 6 | 31 | 22 | 40 | 80 | 90 | 75 |
| 4 22 | 314113 3 | 30 | 40 | 1 | 12 | 1 | 6 | 9 | 6 | 34 | 9 | 30 | 160 | 120 | 70 |
| 4 22 | 412111 3 | 0 | 0 | 4 | 10 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 22 | 414111 3 | 40 | 25 | 2 | 12 | 4 | 9 | 0 | 0 | 0 | 0 | 0 | 70 | 80 | 85 |
| 4 22 | 525111 3 | 40 | 50 | 2 | 8 | 2 | 9 | 8 | 9 | 34 | 16 | 30 | 90 | 95 | 70 |
| 4 22 | 111121 3 | 0 | 0 | 4 | 15 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 22 | 212111 3 | 10 | 25 | 2 | 9 | 2 | 9 | 0 | 0 | 20 | 12 | 30 | 65 | 70 | 80 |
| 4 22 | 112121 3 | 0 | 25 | 3 | 12 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 22 | 112131 3 | 30 | 25 | 2 | 12 | 2 | 12 | 12 | 9 | 36 | 21 | 35 | 100 | 95 | 70 |
| 4 22 | 11113? 3 | 80 | 35 | 2 | 6 | 1 | 12 | 19 | 12 | 30 | 21 | 35 | 80 | 70 | 65 |
| 4 22 | 113131 3 | 80 | 45 | 1 | 3 | 2 | 9 | 12 | 10 | 26 | 19 | 35 | 70 | 80 | 60 |
| 4 22 | 214112 3 | 40 | 50 | 3 | 6 | 2 | 12 | 0 | 0 | 30 | 18 | 40 | 90 | 80 | 70 |
| 4 22 | 314111 3 | 30 | 45 | 1 | 3 | 1 | 12 | 19 | 12 | 38 | 14 | 35 | 90 | 90 | 65 |
| 4 22 | 214113 3 | 35 | 35 | 2 | 2 | -1 | 15 | 12 | 10 | 40 | 20 | 45 | 95 | 95 | 60 |
| 4 22 | 114112 3 | 30 | 40 | 2 | 1 | 2 | 15 | 15 | 9 | 26 | 14 | 40 | 95 | 95 | 70 |

I AM CURRENTLY AN ITV SECTION LEADER IN A COHORT UNIT. I HAVE TRAINED SOLDIERS ON ALL DIFFERENT MODE OF TOW'S. I HAVE BEEN A TOW

DEMOGRAPHIC DATA

| | | | WHEN GO YR | HOW LONG YR GO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 75 | 7 |
| MOS | :11H5HEP | GUNNER : | 75 | 6 |
| IN ARMY | :10YR 6MO | LOADER : | 74 | 6 |
| IN ARTILLERY | :10YR 6 WHEN | DRIVER : | 74 | 6 |
| COMBAT | :N | | | |
| ARTIL. DURATION | | #SUPERVISED : 50 | | |

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SIMP CON COMP | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | CD DRIVER | GUNNER: SET ERECT SLEW | ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | 15 | 20 | 0 | 60 | 15 | 7 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | SELF-STIMULATED VALUES CONFIDENCE= .4 | | | | | | | | | | | |
| 4 | 23 411111 0 | 0 | 23 | 3 | 45 | 5 | 9 | 6 | 0 | 20 | 10 | 0 | 70 | 70 | 60 |
| 4 | 23 515431 3 | -1 | -1 | 1 | -1 | -1 | 60 | 60 | 15 | 35 | 25 | 35 | -1 | -1 | 0 |
| 4 | 23 214111 3 | 20 | 35 | 3 | 20 | 3 | 10 | 10 | 5 | 27 | 15 | 45 | 120 | 90 | 20 |
| 4 | 23 515311 3 | -1 | 250 | 1 | 1 | 1 | 20 | 30 | 10 | 25 | 15 | 25 | 120 | 50 | 20 |
| 4 | 23 215111 4 | 17 | 23 | 5 | 50 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 90 | 0 | 75 |
| 4 | 23 413111 0 | 30 | 35 | 3 | 30 | 12 | 10 | 6 | 3 | 21 | 9 | 25 | 90 | 70 | 77 |
| 4 | 23 311111 3 | 40 | 60 | 20 | 15 | 4 | 15 | 10 | 10 | 30 | 15 | 25 | 130 | 90 | 66 |
| 4 | 23 313111 0 | 40 | 40 | 2 | 5 | 3 | 10 | 15 | 15 | 30 | 17 | 30 | 140 | 90 | 60 |
| 4 | 23 515223 0 | -1 | -1 | -1 | -1 | -1 | 30 | 60 | 30 | 70 | 30 | 60 | -1 | -1 | 20 |
| 4 | 23 414112 3 | -1 | -1 | 1 | 1 | 1 | 25 | 30 | 15 | 40 | 30 | 60 | -1 | -1 | 20 |
| 4 | 23 535111 4 | -1 | -1 | -1 | -1 | 1 | 30 | 45 | 20 | 30 | 30 | 60 | -1 | -1 | 10 |
| 4 | 23 112111 0 | 0 | 0 | 5 | 50 | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 70 | 65 | 79 |
| 4 | 23 514111 4 | 25 | 30 | 3 | 30 | 3 | 10 | 20 | 10 | 23 | 12 | 0 | 100 | 80 | 60 |
| 4 | 23 313112 3 | 30 | 30 | 2 | 20 | 4 | 12 | 15 | 10 | 25 | 12 | 23 | 180 | 90 | 40 |
| 4 | 23 515113 0 | -1 | 45 | -1 | 3 | 1 | 15 | 25 | 15 | 30 | 22 | 30 | -1 | 120 | 15 |
| 4 | 23 513111 4 | 25 | 30 | 2 | 25 | 3 | 12 | 12 | 8 | 25 | 15 | 25 | 120 | 90 | 70 |
| 4 | 23 125111 0 | 25 | 27 | 4 | 40 | 6 | 10 | 8 | 4 | 22 | 12 | 25 | 90 | 75 | 80 |
| 4 | 23 334251 0 | -1 | 120 | 1 | 5 | 2 | 17 | 60 | 30 | -1 | -1 | 45 | -1 | 120 | 25 |
| 4 | 23 113111 0 | 10 | 23 | 4 | 45 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 65 | 87 |
| 4 | 23 521111 0 | 30 | 37 | 2 | 20 | 3 | 10 | 20 | 8 | 30 | 14 | 27 | 140 | 90 | 45 |
| 4 | 23 113121 0 | 20 | 25 | 3 | 35 | 7 | 8 | 8 | 0 | 20 | 10 | 0 | 95 | 65 | 77 |
| 4 | 23 211111 5 | 17 | 25 | 5 | 55 | 13 | 8 | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 83 |
| 4 | 23 224111 4 | 25 | 33 | 4 | 40 | 3 | 10 | 15 | 0 | 25 | 13 | 0 | 145 | 70 | 79 |
| 4 | 23 415314 4 | 45 | 45 | 1 | 5 | 1 | 20 | -1 | 30 | 45 | 40 | 45 | -1 | -1 | 5 |
| 4 | 23 312111 4 | 20 | 27 | 3 | 25 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 90 | 75 | 80 |
| 4 | 23 314112 3 | -1 | 45 | 2 | 3 | 1 | 15 | 25 | 12 | 30 | 21 | 30 | -1 | -1 | 20 |
| 4 | 23 314113 0 | -1 | 60 | 1 | -1 | 1 | 18 | 25 | 15 | 40 | 23 | 45 | -1 | 120 | 50 |
| 4 | 23 412111 3 | 25 | 34 | 3 | 10 | 2 | 15 | 30 | 10 | 20 | 15 | 27 | 90 | 75 | 67 |
| 4 | 23 414111 0 | 25 | 35 | 1 | 5 | 1 | 15 | 30 | 10 | 30 | 15 | 25 | 140 | 90 | 45 |
| 4 | 23 525111 4 | -1 | -1 | 1 | -1 | 1 | 25 | 45 | 15 | 45 | 15 | 40 | -1 | -1 | 15 |
| 4 | 23 111121 0 | 0 | 0 | 5 | 45 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 87 |
| 4 | 23 212111 0 | 0 | 0 | 4 | 35 | 6 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 85 |
| 4 | 23 112121 4 | 20 | 0 | 3 | 40 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 80 | 67 | 70 |
| 4 | 23 112131 3 | 25 | 30 | 2 | 30 | 3 | 10 | 25 | 8 | 30 | 12 | 25 | 90 | 65 | 80 |
| 4 | 23 111131 4 | 0 | 0 | 3 | 20 | 3 | 10 | 10 | 0 | 23 | 12 | 0 | 70 | 0 | 75 |
| 4 | 23 113131 4 | 20 | 29 | 2 | 25 | 2 | 10 | 0 | 0 | 23 | 10 | 0 | 75 | 65 | 70 |
| 4 | 23 214112 4 | -1 | 60 | 1 | 3 | 1 | 18 | 30 | 15 | 30 | 20 | 30 | -1 | -1 | 30 |
| 4 | 23 314111 3 | 30 | 30 | 2 | 15 | 3 | 15 | 8 | 0 | 23 | 15 | 0 | 125 | 80 | 70 |
| 4 | 23 214113 0 | 30 | 45 | 1 | 3 | 1 | 15 | 25 | 10 | 30 | 20 | 25 | 130 | 80 | 30 |
| 4 | 23 114112 0 | 20 | 25 | 3 | 40 | 3 | 10 | 15 | 6 | 23 | 15 | 25 | 120 | 80 | 80 |

I HAVE BEEN A PLATOON SERGANT M220-JEEPS WITH THE 101ST FOR THE PAST 8 MTS. I WAS APLATOON SERGENT M901 WITH 3RD ARMOR DIVISION PRIOR TO GETTING TO 101ST.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 78 | 6 |
| MOS | :11? | GUNNER : | | |
| IN ARMY | :10YR 3MO | LOADER : | | |
| IN ARTILLERY | : 4YR | DRIVER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N
#SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW SYMP COMP RESP | CON | CLIMB STAIRS | LIFT BOXES STAIRS | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | 15 | 20 | 4 | 30 | 10 | 20 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 24 411111 | 3 | 21 | 30 | 2.5 | 40 | 25 | 40 | 5 | 3 | 20 | 9 | 21 | 130 | 80 | 75 |
| 4 24 515931 | 3 | 29 | 120 | 1 | 15 | 18 | 20 | 10 | 8 | 30 | 15 | 30 | 190 | 100 | 50 |
| 4 24 114111 | 3 | 17 | 30 | 3 | 20 | 35 | 20 | 5 | 0 | 19 | 8 | 0 | 120 | 100 | 80 |
| 4 24 515311 | 3 | 30 | 40 | 1 | 5 | 10 | 30 | 6 | 4 | 24 | 10 | 25 | 180 | 120 | 50 |
| 4 24 213111 | 3 | 20 | 25 | 2 | 10 | 20 | 25 | 6 | 3 | 19 | 8 | 22 | 90 | 90 | 70 |
| 4 24 413111 | 3 | 999 | 990 | 2 | 10 | 18 | 25 | 5 | 3 | 19 | 9 | 21 | 90 | 75 | 80 |
| 4 24 311111 | 3 | 20 | 35 | 2 | 15 | 30 | 35 | 6 | 3 | 20 | 10 | 22 | 90 | 90 | 80 |
| 4 24 313111 | 3 | 20 | 30 | 2 | 15 | 30 | 35 | 6 | 3 | 20 | 10 | 22 | 90 | 90 | 75 |
| 4 24 515223 | 3 | 40 | 60 | 1 | 5 | 2 | 30 | 8 | 5 | 35 | 30 | 30 | 220 | 180 | 50 |
| 4 24 414112 | 9 | 25 | 40 | 2 | 10 | 10 | 25 | 6 | 4 | 20 | 10 | 22 | 90 | 69 | 75 |
| 4 24 533111 | 3 | 20 | 25 | 3 | 5 | 10 | 20 | 5 | 3 | 20 | 10 | 22 | 80 | 80 | 80 |
| 4 24 112111 | 9 | 17 | 28 | 3.5 | 55 | 20 | 30 | 5 | 3 | 18 | 8 | 0 | 80 | 70 | 69 |
| 4 24 514111 | 9 | 35 | 35 | 1 | 5 | 15 | 30 | 6 | 3 | 20 | 9 | 22 | 120 | 100 | 65 |
| 4 24 313112 | 3 | 25 | 40 | 2 | 5 | 10 | 35 | 6 | 4 | 20 | 15 | 35 | 120 | 120 | 60 |
| 4 24 315113 | 3 | 30 | 45 | 1 | 4 | 5 | 40 | 9 | 19 | 30 | 15 | 40 | 180 | 140 | 50 |
| 4 24 513111 | 3 | 24 | 39 | 3 | 15 | 20 | 30 | 6 | 4 | 19 | 9 | 22 | 100 | 90 | 75 |
| 4 24 125111 | 3 | 25 | 30 | 3 | 10 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 90 | 70 | 80 |
| 4 24 334251 | 3 | 25 | 40 | 1 | 4 | 8 | 30 | 7 | 5 | 24 | 14 | 30 | 180 | 120 | 55 |
| 4 24 113111 | 4 | 20 | 25 | 4 | 15 | 20 | 10 | 5 | 0 | 18 | 0 | 0 | 70 | 65 | 80 |
| 4 24 521111 | 3 | 20 | 25 | 3 | 10 | 15 | 25 | 6 | 4 | 20 | 9 | 23 | 90 | 70 | 75 |
| 4 24 113121 | 3 | 17 | 25 | 4 | 15 | 15 | 25 | 5 | 0 | 19 | 8 | 0 | 70 | 65 | 85 |
| 4 24 211111 | 3 | 18 | 23 | 4 | 15 | 17 | 15 | 5 | 0 | 18 | 8 | 0 | 75 | 65 | 80 |
| 4 24 224111 | 3 | 25 | 30 | 2 | 10 | 10 | 25 | 7 | 0 | 20 | 12 | 25 | 180 | 120 | 60 |
| 4 24 415314 | 3 | 85 | 60 | 1 | 4 | 3 | 60 | 15 | 10 | 24 | 15 | 30 | 180 | 120 | 35 |
| 4 24 312111 | 3 | 20 | 25 | 4 | 15 | 15 | 20 | 5 | 3 | 19 | 8 | 0 | 70 | 65 | 70 |
| 4 24 314112 | 3 | 20 | 25 | 3 | 10 | 15 | 30 | 6 | 4 | 22 | 9 | 22 | 120 | 90 | 70 |
| 4 24 314113 | 3 | 30 | 40 | 3 | 5 | 5 | 30 | 6 | 4 | 19 | 12 | 25 | 180 | 90 | 60 |
| 4 24 412111 | 3 | 20 | 25 | 3 | 10 | 10 | 25 | 5 | 3 | 19 | 8 | 0 | 120 | 90 | 65 |
| 4 24 414111 | 3 | 20 | 25 | 3 | 10 | 10 | 25 | 5 | 3 | 19 | 8 | 0 | 120 | 90 | 75 |
| 4 24 525111 | 3 | 20 | 25 | 3 | 10 | 10 | 25 | 6 | 4 | 20 | 9 | 22 | 120 | 90 | 60 |
| 4 24 111121 | 3 | 20 | 22 | 4 | 15 | 10 | 25 | 0 | 3 | 19 | 8 | 21 | 90 | 65 | 75 |
| 4 24 212111 | 3 | 20 | 25 | 7 | 10 | 10 | 25 | 5 | 3 | 19 | 8 | 0 | 120 | 90 | 70 |
| 4 24 112121 | 3 | 20 | 21 | 4 | 15 | 12 | 20 | 0 | 3 | 19 | 8 | 21 | 90 | 65 | 75 |
| 4 24 112131 | 3 | 20 | 22 | 4 | 15 | 15 | 25 | 0 | 3 | 19 | 8 | 21 | 90 | 65 | 75 |
| 4 24 111131 | 3 | 20 | 22 | 4 | 15 | 15 | 25 | 0 | 3 | 18 | 9 | 21 | 90 | 65 | 75 |
| 4 24 113131 | 3 | 20 | 22 | 4 | 15 | 10 | 25 | 0 | 3 | 18 | 10 | 22 | 90 | 90 | 75 |
| 4 24 214112 | 3 | 20 | 25 | 4 | 10 | 9 | 25 | 5 | 3 | 19 | 8 | 0 | 120 | 90 | 75 |
| 4 24 314111 | 3 | 20 | 25 | 4 | 10 | 15 | 20 | 5 | 3 | 19 | 8 | 22 | 120 | 90 | 78 |
| 4 24 214113 | 3 | 25 | 40 | 3 | 5 | 7 | 25 | 6 | 4 | 20 | 14 | 25 | 180 | 120 | 60 |
| 4 24 114112 | 3 | 20 | 25 | 4 | 15 | 12 | 20 | 5 | 3 | 19 | 8 | 0 | 120 | 90 | 75 |

I AM A BATTL. LEADER SGT IN EUROPE WHERE I HAVE 3 TOW TIV SECTIONS 6 ITV'S THAT I AM RESPONSIBLE TO LEAD AND TRAIN I HAVE BEEN IN THAT POSITION 1 YEAR. * 10 YEARS ACTIVE, 3 YEARS RESERVE, 11H, 106'S ** RVN, HELICOPTER DOOR GUNNER *** SECTION LEADER OR HIGHER 16-A.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 75 | 1 6 |
| MOS | :11H | GUNNER : | 72 | 1 |
| IN ARMY | :10YR | * LOADER : | | |
| IN ARTILLERY | :11YR | DRIVER : | | |
| COMBAT | :Y 70 WHEN * | | | |
| ARTIL. LOCATION | | *SUPERVISED :>50* | | |

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP. | SYMP | COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | CD DRIVER | GUNNER: SET ERECT SLEW | ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | 9 | 90 | 100 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 | 25 | 411111 | 4 | 16 | 22 | 0.5 | 85 | 95 | 10 | 0 | 0 | 18 | 0 | 0 | 65 | 65 | 87 |
| 4 | 25 | 515431 | 4 | -1 | -1 | 1 | -1 | 2 | 45 | 8 | 4 | 36 | 15 | 30 | 210 | 190 | 35 |
| 4 | 25 | 114111 | 4 | 20 | 30 | 4 | 10 | 20 | 11 | 0 | 0 | 19 | 8 | 22 | 65 | 70 | 89 |
| 4 | 25 | 515311 | 4 | -1 | -1 | 0.5 | 2 | 2 | 25 | 5 | 3 | 23 | 10 | 22 | 200 | 180 | 65 |
| 4 | 25 | 213111 | 4 | 17 | 22 | 8 | 80 | 90 | 10 | 0 | 0 | 0 | 0 | 0 | 62 | 62 | 0 |
| 4 | 25 | 413111 | 4 | 16 | 25 | 8 | 70 | 60 | 12 | 0 | 0 | 16 | 8 | 21 | 62 | 63 | 69 |
| 4 | 25 | 311111 | 4 | 16 | 21 | 9 | 85 | 95 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 25 | 313111 | 4 | 0 | 0 | 9 | 85 | 90 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 25 | 515223 | 4 | -1 | -1 | -1 | 2 | 1 | 35 | 6 | 3 | 25 | 10 | 30 | 200 | 200 | 40 |
| 4 | 25 | 414112 | 4 | 90 | 120 | 1 | 10 | 10 | 12 | 5 | 0 | 19 | 9 | 22 | 90 | 90 | 60 |
| 4 | 25 | 535111 | 4 | -1 | -1 | -1 | 2 | 1 | 30 | 7 | 4 | 30 | 15 | 25 | 240 | 240 | 50 |
| 4 | 25 | 112111 | 4 | 0 | 0 | 0.5 | 65 | 80 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 25 | 514111 | 4 | 45 | 50 | 5 | 40 | 20 | 12 | 5 | 3 | 19 | 8 | 22 | 120 | 120 | 75 |
| 4 | 25 | 313112 | 4 | 50 | 100 | 3 | 30 | 40 | 15 | 0 | 0 | 0 | 0 | 22 | 100 | 100 | 80 |
| 4 | 25 | 315113 | 4 | 280 | 300 | -1 | 2 | 1 | 20 | 10 | 10 | 25 | 15 | 29 | -1 | -1 | 40 |
| 4 | 25 | 513111 | 4 | 45 | 60 | 4 | 40 | 57 | 15 | 6 | 3 | 21 | 10 | 25 | 90 | 90 | 80 |
| 4 | 25 | 123111 | 4 | 240 | 300 | 2 | 30 | 10 | 13 | 0 | 0 | 0 | 0 | 25 | 90 | 90 | 65 |
| 4 | 25 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | 15 | 6 | 8 | 23 | 10 | 30 | 120 | 120 | 30 |
| 4 | 25 | 113111 | 4 | 19 | 29 | 8 | 80 | 80 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 25 | 521111 | 4 | 20 | 30 | 8 | 60 | 80 | 11 | 0 | 0 | 0 | 0 | 21 | 65 | 65 | 80 |
| 4 | 25 | 113121 | 4 | 20 | 25 | 7 | 70 | 60 | 12 | 0 | 0 | 0 | 0 | 21 | 62 | 62 | 80 |
| 4 | 25 | 211111 | 4 | 0 | 0 | 9 | 70 | 70 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 4 | 25 | 224111 | 4 | 60 | 100 | 4 | 2 | 50 | 15 | 5 | 3 | 20 | 10 | 23 | 90 | 90 | 60 |
| 4 | 25 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | 20 | 10 | 60 | -1 | 40 | -1 | -1 | 5 |
| 4 | 25 | 312111 | 4 | 40 | 50 | 3 | 10 | 20 | 20 | 0 | 0 | 0 | 0 | 21 | 79 | 78 | 80 |
| 4 | 25 | 314112 | 4 | 60 | 100 | 2 | 15 | 20 | 15 | 6 | 5 | 25 | 10 | 23 | 90 | 90 | 70 |
| 4 | 25 | 314113 | 4 | -1 | 100 | -1 | 5 | 5 | 15 | 10 | 8 | 30 | 15 | 30 | 240 | 240 | 999 |
| 4 | 25 | 412111 | 4 | 30 | 40 | 7 | 60 | 30 | 20 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 76 |
| 4 | 25 | 414111 | 4 | 60 | 120 | 3 | 15 | 5 | 12 | 0 | 0 | 19 | 0 | 23 | 90 | 90 | 78 |
| 4 | 25 | 525111 | 4 | -1 | -1 | -1 | 1 | 1 | 19 | 10 | 6 | 25 | 12 | 25 | -1 | -1 | 0 |
| 4 | 25 | 111121 | 4 | 0 | 0 | 9 | 85 | 95 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 | 25 | 212111 | 4 | 30 | 40 | 7 | 60 | 40 | 12 | 0 | 0 | 0 | 0 | 22 | 90 | 90 | 60 |
| 4 | 25 | 112121 | 4 | 20 | 30 | 8 | 70 | 60 | 12 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 80 |
| 4 | 25 | 112131 | 4 | 25 | 35 | 5 | 40 | 30 | 12 | 6 | 0 | 19 | 10 | 22 | 70 | 70 | 60 |
| 4 | 25 | 111131 | 4 | 25 | 45 | 3 | 20 | 20 | 15 | 6 | 0 | 20 | 9 | 21 | 85 | 85 | 69 |
| 4 | 25 | 113131 | 4 | 25 | 35 | 4 | 15 | 20 | 19 | 0 | 0 | 18 | 10 | 25 | 90 | 90 | 63 |
| 4 | 25 | 214112 | 4 | 30 | 50 | 4 | 20 | 20 | 19 | 5 | 0 | 19 | 10 | 22 | 95 | 95 | 79 |
| 4 | 25 | 314111 | 4 | 30 | 50 | 4 | 20 | 20 | 15 | 6 | 5 | 20 | 10 | 22 | 90 | 90 | 60 |
| 4 | 25 | 214113 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | 10 | 7 | 30 | 15 | 40 | -1 | -1 | 30 |
| 4 | 25 | 114112 | 4 | -1 | -1 | -1 | -1 | -1 | 20 | 9 | 5 | 25 | 10 | 30 | 180 | 180 | 40 |

HAVE SERVED AS A GROUP LEADER OF A GROUP WHICH CONSISTED OF APPROXIMATELY 21 PERSONNEL, 3 SECTIONS, 6 TOW WEAPON SYSTEMS. SYSTEMS ARE MOUNTED ON M151 A2. I HAVE USED THE TOW IN THE M113, 1/2 TON MULE, AND THE M151 1/4 TON.

DEMOGRAPHIC DATA

| | | | WHEN HO YR | JOB LONG YR HO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 75 | 0 |
| MOS | :11H30 | GUNNER : | | |
| IN ARMY | : 9YR 9MO | LOADER : | | |
| IN ARTILLERY | : 9YR 8 | DRIVER : | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 20 | | |

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | SYMP COMP | CON RESP | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOATS | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | LD DRIVER | GUNNER: SET ERECT SLEW | ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | 3 | 60 | 10 | 15 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIPULATED VALUES; CONFIDENCE= 4 | | | | | | | | | | | |
| 4 26 | 411111 | 4 | 0 | 0 | 3 | 60 | 50 | 15 | 0 | 0 | 20 | 10 | 0 | 0 | 0 | 88 |
| 4 26 | 515431 | 5 | -1 | -1 | -1 | 2 | 1 | 60 | 8 | 0 | -1 | 30 | -1 | -1 | -1 | 10 |
| 4 26 | 114111 | 4 | 85 | 60 | 1 | 10 | 3 | 17 | 0 | 0 | 25 | 10 | 0 | 120 | 120 | 75 |
| 4 26 | 515311 | 4 | -1 | -1 | -1 | 2 | 1 | 40 | 10 | 4 | -1 | 21 | 60 | -1 | -1 | 60 |
| 4 26 | 213111 | 4 | 30 | 30 | 1 | 30 | 5 | 20 | 0 | 0 | 20 | 10 | 0 | 90 | 120 | 78 |
| 4 26 | 413111 | 4 | 20 | 25 | 2 | 30 | 6 | 17 | 0 | 0 | 20 | 0 | 0 | 70 | 70 | 85 |
| 4 26 | 311111 | 4 | 20 | 25 | 2 | 40 | 5 | 17 | 0 | 0 | 16 | 8 | 0 | 70 | 70 | 88 |
| 4 26 | 313111 | 4 | 30 | 40 | 1 | 30 | 4 | 20 | 0 | 0 | 34 | 14 | 0 | 90 | 90 | 80 |
| 4 26 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | 120 | 8 | 0 | -1 | 21 | 6 | -1 | -1 | 15 |
| 4 26 | 414112 | 4 | 30 | 40 | 1 | 10 | 2 | 30 | 8 | 6 | 34 | 14 | 40 | 150 | 150 | 45 |
| 4 26 | 535111 | 4 | -1 | -1 | -1 | 2 | 1 | 60 | 12 | 6 | 40 | 25 | 40 | 240 | 240 | 40 |
| 4 26 | 112111 | 4 | 20 | 25 | 2 | 45 | 4 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 |
| 4 26 | 514111 | 4 | 45 | 60 | 1 | 20 | 3 | 30 | 0 | 0 | 20 | 12 | 0 | 80 | 80 | 85 |
| 4 26 | 313112 | 4 | -1 | -1 | -1 | 2 | 1 | 40 | 12 | 4 | 60 | 28 | 60 | -1 | -1 | 50 |
| 4 26 | 313113 | 4 | 60 | 80 | 1 | 5 | 1 | 40 | 0 | 0 | 20 | 18 | 30 | 120 | 140 | 60 |
| 4 26 | 513111 | 4 | 35 | 43 | 1 | 20 | 3 | 30 | 8 | 6 | 34 | 21 | 25 | 150 | 160 | 65 |
| 4 26 | 123111 | 4 | 30 | 40 | 2 | 20 | 5 | 30 | 0 | 0 | 23 | 10 | 0 | 120 | 130 | 70 |
| 4 26 | 334231 | 4 | -1 | -1 | -1 | 2 | -1 | 60 | 12 | 9 | 50 | 28 | 40 | -1 | -1 | 30 |
| 4 25 | 115111 | 4 | 0 | 0 | 3 | 55 | 8 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 26 | 521111 | 4 | 0 | 0 | 3 | 50 | 8 | 17 | 0 | 0 | 0 | 0 | 0 | 90 | 90 | 85 |
| 4 26 | 113121 | 4 | 0 | 25 | 3 | 45 | 6 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 |
| 4 26 | 211111 | 4 | 20 | 25 | 3 | 45 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 86 | 90 | 78 |
| 4 26 | 224111 | 4 | 25 | 30 | 1 | 30 | 3 | 30 | 0 | 0 | 20 | 12 | 0 | 100 | 100 | 80 |
| 4 26 | 415314 | 4 | -1 | -1 | -1 | 5 | 1 | 40 | 0 | 0 | 30 | 14 | 0 | 80 | -1 | 47 |
| 4 26 | 312111 | 4 | 30 | 60 | 2 | 15 | 2 | 30 | 0 | 0 | 40 | 21 | 0 | 80 | 90 | 70 |
| 4 26 | 314112 | 4 | 80 | 90 | 1 | 2 | 1 | 45 | 16 | 8 | 70 | 28 | 40 | -1 | -1 | 10 |
| 4 26 | 314113 | 4 | 80 | 90 | 1 | 2 | 1 | 40 | 16 | 8 | 70 | 28 | 40 | -1 | -1 | 10 |
| 4 26 | 412111 | 4 | 30 | 40 | 2 | 30 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 70 |
| 4 26 | 414111 | 4 | 40 | 50 | 1 | 30 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 130 | 140 | 60 |
| 4 26 | 525111 | 4 | -1 | -1 | -1 | 2 | 1 | 60 | 0 | 0 | 50 | 14 | 60 | -1 | -1 | 50 |
| 4 26 | 111121 | 4 | 20 | 40 | 2 | 30 | 2 | 18 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 68 |
| 4 26 | 212111 | 4 | 45 | 60 | 1 | 10 | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 180 | 180 | 70 |
| 4 26 | 112121 | 4 | 30 | 40 | 1 | 30 | 2 | 20 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 75 |
| 4 26 | 112131 | 4 | -1 | -1 | -1 | 2 | 1 | 30 | 8 | 4 | 34 | 14 | 40 | -1 | -1 | 50 |
| 4 26 | 111131 | 4 | 30 | -1 | 1 | 5 | 1 | 30 | 0 | 0 | 34 | 0 | 0 | 120 | 120 | 65 |
| 4 26 | 115151 | 4 | -1 | -1 | 1 | 2 | 1 | 40 | 8 | 6 | 50 | 28 | 60 | -1 | -1 | 40 |
| 4 26 | 214112 | 4 | 50 | -1 | 1 | 3 | 1 | 45 | 12 | 6 | 50 | 21 | 60 | -1 | -1 | 35 |
| 4 26 | 314111 | 4 | 45 | 80 | 1 | 5 | [illegible] | 20 | 8 | 4 | 20 | 14 | 22 | 80 | 90 | 70 |
| 4 26 | 214113 | 4 | -1 | -1 | -1 | 1 | 1 | 60 | 8 | 4 | -1 | 21 | 40 | -1 | -1 | 37 |
| 4 26 | 114112 | 4 | 30 | 40 | 1 | 15 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 80 | 80 | 75 |

I'VE WORKED WITH JEEP MOUNTED TOW AND M113 TOW, TOW CAP VEHICLE, MY PRESENT JOB IS PNCOC INSTRUCTOR

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 76 | 4 |
| MOS | :11H5H | GUNNER : | 76 | 8 |
| IN ARMY | : 9YR 7MO | LOADER : | 75 | 6 |
| IN ARTILLERY | : 6YR | DRIVER : | 75 | 6 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

%SUPERVISED : 50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: LD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | | | |
| USUAL TIME, SEC | | | 15 | 20 | 6 | 45 | 5 | 30 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | CONFIDENCE= 3 | | | | | | | | | | | | | |
| 4 27 | 411111 | 4 | 20 | 25 | 5 | 30 | 8 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| 4 27 | 515451 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 999 |
| 4 27 | 114111 | 3 | 30 | 40 | 2 | 10 | 4 | 25 | 5 | 0 | 19 | 9 | 30 | 70 | 90 | 85 |
| 4 27 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 27 | 213111 | 4 | 0 | 0 | 5.5 | 30 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 413111 | 3 | 20 | 30 | 6 | 35 | 6 | 25 | 6 | 3 | 20 | 10 | 23 | 65 | 70 | 80 |
| 4 27 | 311111 | 4 | 20 | 25 | 5 | 30 | 5 | 20 | 6 | 3 | 21 | 10 | 23 | 0 | 0 | 85 |
| 4 27 | 313111 | 4 | 35 | 90 | 2 | 20 | 5 | 30 | 8 | 4 | 20 | 10 | 35 | 90 | 90 | 65 |
| 4 27 | 513223 | 4 | -1 | -1 | 1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 27 | 414112 | 3 | 40 | 100 | 4 | 15 | 3 | 20 | 12 | 4 | 25 | 15 | 40 | 70 | 120 | 60 |
| 4 27 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 27 | 112111 | 3 | 0 | 0 | 6 | 45 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 514111 | 3 | 25 | 40 | 4 | 30 | 3 | 25 | 6 | 4 | 24 | 12 | 25 | 65 | 75 | 60 |
| 4 27 | 313112 | 3 | 30 | 40 | 4 | 20 | 5 | 25 | 6 | 4 | 20 | 10 | 25 | 0 | 80 | 60 |
| 4 27 | 515113 | 3 | 30 | 40 | 3 | 20 | 3 | 30 | 8 | 4 | 20 | 10 | 25 | 65 | 80 | 70 |
| 4 27 | 515111 | 3 | 25 | 35 | 4 | 25 | 4 | 20 | 8 | 4 | 20 | 10 | 25 | 0 | 75 | 80 |
| 4 27 | 123111 | 3 | 20 | 30 | 5 | 30 | 3 | 20 | 0 | 0 | 19 | 9 | 25 | 0 | 0 | 999 |
| 4 27 | 534231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 27 | 113111 | 3 | 20 | 30 | 4 | 40 | 5 | 20 | 0 | 0 | 18 | 8 | 22 | 0 | 0 | 0 |
| 4 27 | 521111 | 4 | 0 | 0 | 5 | 60 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 113121 | 4 | 0 | 0 | 5 | 45 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 211111 | 4 | 0 | 0 | 5 | 45 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 224111 | 4 | 25 | 30 | 4 | 30 | 5 | 20 | 6 | 4 | 19 | 10 | 25 | 65 | 75 | 80 |
| 4 27 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 40 |
| 4 27 | 312111 | 4 | 45 | 90 | 2 | 20 | 5 | 30 | 8 | 4 | 20 | 10 | 35 | 90 | 90 | 65 |
| 4 27 | 314112 | 3 | 30 | 40 | 4 | 20 | 5 | 25 | 8 | 3 | 20 | 10 | 25 | 0 | 80 | 60 |
| 4 27 | 314113 | 3 | -1 | -1 | -1 | 10 | 1 | 20 | 6 | 4 | 19 | 12 | 30 | -1 | -1 | 70 |
| 4 27 | 412111 | 4 | 0 | 0 | 6 | 50 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 414111 | 4 | 20 | 25 | 4 | 20 | 5 | 20 | 0 | 0 | 19 | 9 | 22 | 0 | 0 | 0 |
| 4 27 | 525111 | 3 | -1 | -1 | -1 | 10 | -1 | 20 | 8 | 6 | 25 | 12 | 25 | -1 | -1 | 70 |
| 4 27 | 111121 | 4 | 0 | 0 | 6 | 40 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 212111 | 4 | 16 | 25 | 4 | 40 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 85 |
| 4 27 | 112121 | 4 | 0 | 0 | 5 | 40 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 112131 | 4 | 20 | 30 | 4 | 35 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 111131 | 4 | 0 | 0 | 6 | 40 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 27 | 113131 | 3 | 20 | 30 | 4 | 30 | 5 | 20 | 5 | 3 | 19 | 8 | 0 | 0 | 0 | 88 |
| 4 27 | 214112 | 3 | 25 | 40 | 2 | 15 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 88 |
| 4 27 | 314111 | 3 | 20 | 30 | 4 | 20 | 4 | 20 | 5 | 3 | 18 | 9 | 22 | 0 | 70 | 80 |
| 4 27 | 214113 | 3 | -1 | -1 | -1 | 10 | -1 | 20 | 6 | 4 | 20 | 10 | 24 | 65 | 80 | 65 |
| 4 27 | 114112 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 6 | 4 | 20 | 12 | 24 | -1 | -1 | 65 |

IN 1975 I STARTED WITH THE GROUND ML SYSTEM AND WORKED WITH IT MOSTLY AS A SQD. LD. AND SECTION SGT. I STARTED WITH THE I V IN TAN PL UNTIL NOW AS A SECTION SGT IN GERMANY

DEMOGRAPHIC DATA

| | | | | WHEN ON YR | HOW LONG YR ON |
|---|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER | : | 75 | 6 |
| MOS | :11B30L9 | GUNNER | : | 75 | 6 |
| IN ARMY | :14YR | LOADER | : | | |
| IN ARTILLERY | : 6YR | DRIVER | : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | 10 | 45 | 5 | 15 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIPULATED VALUES CONFIDENCE= 3 | | | | | | | | | | | |
| 4 26 | 411111 | 3 | 20 | 30 | 5 | 45 | 5 | 20 | 8 | 4 | 25 | 12 | 0 | 0 | 0 | 75 |
| 4 28 | 515431 | 4 | -1 | -1 | 1 | 10 | 1 | 90 | 15 | 8 | 35 | 20 | 30 | -1 | -1 | 45 |
| 4 28 | 114111 | 4 | 35 | 60 | 1 | 8 | 2 | 90 | 10 | 8 | 30 | 25 | 30 | -1 | -1 | 65 |
| 4 28 | 515311 | 4 | -1 | -1 | 1 | 2 | 1 | 60 | 10 | 5 | 30 | 14 | 25 | -1 | -1 | 60 |
| 4 26 | 213111 | 4 | 25 | 35 | 2 | 10 | 5 | 60 | 8 | 4 | 25 | 12 | 25 | 180 | 180 | 65 |
| 4 28 | 413111 | 4 | 30 | 60 | 1 | 5 | 5 | 10 | 8 | 4 | 20 | 10 | 25 | 0 | 0 | 65 |
| 4 28 | 311111 | 3 | 30 | 60 | 2 | 10 | 5 | 10 | 8 | 4 | 21 | 10 | 25 | 0 | .0 | 65 |
| 4 26 | 313111 | 3 | 30 | 60 | 2 | 5 | 2 | 10 | 8 | 4 | 22 | 14 | 0 | -1 | -1 | 65 |
| 4 26 | 515223 | 4 | 60 | 60 | 1 | 2 | 2 | 60 | 15 | 10 | 60 | 60 | 30 | -1 | -1 | 999 |
| 4 28 | 414112 | 4 | 60 | 60 | 1 | 2 | 1 | 60 | 10 | 6 | 35 | 25 | 25 | -1 | -1 | 999 |
| 4 26 | 535111 | 3 | 60 | 60 | 1 | 2 | 1 | 15 | 8 | 7 | 35 | 15 | 25 | -1 | -1 | 60 |
| 4 28 | 112111 | 4 | 20 | 25 | 3 | 15 | 3 | 8 | 8 | 4 | 21 | 10 | 0 | 0 | 0 | 999 |
| 4 28 | 514111 | 4 | 20 | 25 | 1 | 5 | 3 | 10 | 6 | 4 | 25 | 15 | 0 | -1 | -1 | 65 |
| 4 28 | 313112 | 3 | 20 | 25 | 1 | 5 | 1 | 10 | 6 | 4 | 20 | 10 | 0 | -1 | -1 | 60 |
| 4 28 | 315113 | 4 | 20 | 25 | 2 | 5 | 2 | 10 | 8 | 4 | 30 | 14 | 30 | -1 | -1 | 60 |
| 4 28 | 513111 | 3 | 20 | 25 | 1 | 5 | 2 | 10 | 10 | 6 | 30 | 14 | 0 | 70 | 70 | 65 |
| 4 28 | 123111 | 4 | 20 | 25 | 2 | 10 | 3 | 10 | 8 | 4 | 20 | 10 | 0 | 0 | 0 | 999 |
| 4 28 | 334231 | 4 | 30 | 30 | 1 | 2 | 1 | 10 | 10 | 6 | 30 | 25 | -1 | -1 | -1 | 55 |
| 4 26 | 113111 | 4 | 20 | 25 | 3 | 20 | 4 | 10 | 6 | 4 | 20 | 10 | 0 | 0 | 0 | 75 |
| 4 28 | 521111 | 4 | 20 | 22 | 4 | 15 | 5 | 10 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 75 |
| 4 26 | 113121 | 4 | 20 | 25 | 1 | 10 | 2 | 10 | 6 | 4 | 19 | 10 | 0 | 0 | 0 | 75 |
| 4 26 | 211111 | 4 | 20 | 25 | 1 | 5 | 3 | 10 | 0 | 0 | 20 | 10 | 0 | 0 | 0 | 70 |
| 4 26 | 224111 | 3 | 20 | 25 | 2 | 10 | 5 | 10 | 8 | 8 | 21 | 10 | 0 | -1 | -1 | 999 |
| 4 26 | 415314 | 3 | 35 | 45 | 1 | 4 | 1 | 15 | 15 | 15 | 60 | 60 | -1 | -1 | -1 | 50 |
| 4 28 | 312111 | 3 | 25 | 30 | 1 | 10 | 4 | 15 | 10 | 10 | 14 | 10 | 0 | 0 | 0 | 70 |
| 4 26 | 314112 | 3 | 30 | 30 | 2 | 10 | 3 | 10 | 10 | 10 | 25 | 20 | -1 | -1 | -1 | 65 |
| 4 28 | 314113 | 4 | 35 | 45 | 1 | 3 | 1 | 25 | 15 | 10 | 35 | 30 | -1 | -1 | -1 | 45 |
| 4 26 | 412111 | 4 | 20 | 25 | 3 | 15 | 3 | 20 | 8 | 4 | 25 | 20 | 0 | 0 | 0 | 75 |
| 4 28 | 414111 | 4 | 20 | 25 | 1 | 5 | 4 | 15 | 8 | 0 | 25 | 15 | 25 | -1 | -1 | 65 |
| 4 26 | 525111 | 4 | 30 | 40 | -1 | 5 | 1 | 20 | 10 | 8 | 30 | 20 | -1 | -1 | -1 | 50 |
| 4 26 | 111121 | 4 | 10 | 22 | 4 | 20 | 5 | 10 | 5 | 3 | 20 | 10 | 0 | 0 | 0 | 80 |
| 4 28 | 212111 | 4 | 20 | 23 | 1 | 10 | 2 | 10 | 8 | 4 | 10 | 10 | 0 | 0 | 0 | 75 |
| 4 28 | 112121 | 4 | 10 | 22 | 3 | 15 | 4 | 10 | 8 | 4 | 19 | 10 | 0 | 0 | 0 | 80 |
| 4 20 | 112131 | 3 | 20 | 23 | 1 | 5 | 1 | 15 | 6 | 4 | 20 | 12 | 0 | 0 | 0 | 60 |
| 4 26 | 111131 | 3 | 20 | 22 | 1 | 10 | 2 | 25 | 8 | 4 | 20 | 10 | 0 | 0 | 0 | 65 |
| 4 26 | 113131 | 3 | 20 | 25 | 1 | 10 | 1 | 20 | 8 | 4 | 19 | 10 | 0 | 0 | 0 | 70 |
| 4 26 | 214112 | 4 | 20 | 25 | 1 | 5 | 1 | 25 | 8 | 4 | 25 | 20 | -1 | -1 | -1 | 60 |
| 4 28 | 314111 | 3 | 25 | 30 | 1 | 10 | 1 | 15 | 8 | 4 | 29 | 20 | -1 | -1 | -1 | 60 |
| 4 26 | 214113 | 4 | 30 | 40 | 1 | 5 | 1 | 30 | 6 | 4 | 20 | 10 | -1 | -1 | -1 | 60 |
| 4 26 | 114112 | 4 | 30 | 40 | 1 | 10 | 4 | 30 | 10 | 6 | 35 | 30 | -1 | -1 | -1 | 50 |

IVE WORKED WITH THE TOW MPM SYSTEM ON A REGULAR 113, AN IMPROVED 113 THEN ON THE ITV. * 1 TIME

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|
| GRADE | :E-7 | SQUAD LEADER : | 75 | 4 |
| MOS | :11H4X | GUNNER : | 79 | |
| IN ARMY | :12YR | LOADER : | | |
| IN ARTILLERY | : 5YR | DRIVER : | | |

COMBAT :Y 71 (WHEN)
ARTIL. COMBAT:N #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW | RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CO DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | 4 | 30 | 5 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 | 30 | 411111 | 3 | 45 | 60 | 2 | 30 | 3 | 60 | 10 | 0 | 30 | 30 | 0 | 120 | 120 | 85 |
| 4 | 30 | 515431 | 2 | 160 | 300 | -1 | -1 | -1 | 60 | 30 | 10 | 60 | -1 | -1 | -1 | -1 | 50 |
| 4 | 30 | 114111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 8 | 0 | 60 | 60 | -1 | -1 | -1 | 60 |
| 4 | 30 | 515311 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 30 | 20 | -1 | -1 | -1 | -1 | -1 | 30 |
| 4 | 30 | 213111 | 3 | 45 | 60 | 2 | 10 | 2 | 10 | 6 | 0 | 60 | 15 | 30 | 90 | 90 | 85 |
| 4 | 30 | 413111 | 3 | 30 | 60 | 2 | 10 | 2 | 60 | 6 | 0 | 30 | 15 | 30 | 120 | 100 | 80 |
| 4 | 30 | 311111 | 2 | -1 | -1 | -1 | 5 | 1 | 60 | 6 | 4 | 60 | 60 | 30 | 90 | 100 | 80 |
| 4 | 30 | 313111 | 3 | 60 | 120 | 2 | 5 | 2 | 15 | 30 | 10 | 120 | 35 | 30 | 100 | 120 | 80 |
| 4 | 30 | 515223 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 414112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 8 | 60 | 45 | -1 | -1 | -1 | 50 |
| 4 | 30 | 535111 | 2 | -1 | -1 | -1 | -1 | -1 | 45 | 60 | 10 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 | 30 | 112111 | 3 | 100 | 40 | 1 | 5 | 4 | 40 | 6 | 0 | 35 | 30 | 40 | 120 | 100 | 85 |
| 4 | 30 | 514111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 4 | 60 | 60 | -1 | -1 | -1 | 60 |
| 4 | 30 | 313112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 5 | 120 | 70 | -1 | -1 | -1 | 30 |
| 4 | 30 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 50 | 10 | -1 | -1 | -1 | -1 | -1 | 1 |
| 4 | 30 | 513111 | 3 | 120 | -1 | 1 | 2 | -1 | 30 | 6 | 4 | 100 | 60 | 60 | 120 | 120 | 70 |
| 4 | 30 | 123111 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 4 | 60 | 120 | 60 | 180 | 180 | 40 |
| 4 | 30 | 334231 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 50 | 6 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 113111 | 3 | 120 | 60 | 1 | 1 | -1 | 30 | 8 | 0 | 45 | 35 | 40 | 120 | 100 | 85 |
| 4 | 30 | 521111 | 3 | -1 | -1 | 1 | 3 | 1 | 30 | 16 | 4 | 60 | 60 | 60 | 120 | 100 | 70 |
| 4 | 30 | 113121 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 6 | 4 | 145 | 40 | 60 | -1 | -1 | 60 |
| 4 | 30 | 211111 | 3 | 60 | 60 | 1 | -1 | 1 | 40 | 10 | 4 | 60 | 35 | 30 | 180 | 100 | 60 |
| 4 | 30 | 224111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 6 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 312111 | 3 | 60 | 90 | 1 | 2 | 1 | 60 | 15 | 5 | 35 | 40 | 60 | 90 | 100 | 80 |
| 4 | 30 | 314112 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 30 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 314113 | 2 | -1 | -1 | -1 | -1 | -1 | 120 | 70 | 10 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 412111 | 2 | -1 | -1 | 1 | 2 | 2 | 60 | 8 | 0 | 30 | 40 | 40 | -1 | -1 | 50 |
| 4 | 30 | 414111 | 2 | -1 | -1 | -1 | -1 | -1 | 70 | 10 | 4 | 60 | 60 | -1 | -1 | -1 | 10 |
| 4 | 30 | 525111 | 2 | -1 | -1 | -1 | -1 | -1 | 40 | 6 | 4 | -1 | -1 | -1 | -1 | -1 | 1 |
| 4 | 30 | 111121 | 2 | 60 | 100 | 2 | 1 | 2 | 80 | 6 | 0 | 45 | 30 | 30 | 80 | 100 | 60 |
| 4 | 30 | 212111 | 2 | 110 | 60 | 3 | 4 | 4 | 60 | 8 | 0 | 50 | 60 | 40 | 120 | 180 | 60 |
| 4 | 30 | 112121 | 3 | 60 | 60 | 2 | 2 | 2 | 45 | 6 | 4 | 40 | 15 | 20 | 80 | 100 | 80 |
| 4 | 30 | 112131 | 3 | -1 | -1 | 1 | -1 | 1 | 40 | 10 | 6 | 60 | 60 | 40 | 120 | 100 | 60 |
| 4 | 30 | 111131 | 3 | -1 | -1 | 1 | 3 | -1 | 50 | 30 | 10 | 60 | 45 | 60 | -1 | -1 | 30 |
| 4 | 30 | 113131 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 10 | 10 | -1 | -1 | -1 | -1 | -1 | 30 |
| 4 | 30 | 214112 | 2 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | 10 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 | 30 | 314111 | 3 | -1 | -1 | -1 | -1 | -1 | 90 | 20 | 5 | 60 | 60 | -1 | -1 | -1 | 30 |
| 4 | 30 | 214113 | 2 | -1 | -1 | -1 | -1 | -1 | 60 | 30 | 15 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 30 | 114112 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 60 | 15 | -1 | -1 | -1 | -1 | -1 | 0 |

T WORK UP THE PAGE AS AN INSTRUCTION FOR ITV. = 1 WEEK

DEMOGRAPHIC DATA

| | | WHEN | HOW LONG |
|---|---|---|---|
| | | GO YR | YR MO |
| GRADE : E-6 | SQUAD LEADER : | 77 | 2 |
| MOS : 11H | GUNNER : | 77 | * |
| IN ARMY : 9YR 7MO | LOADER : | 77 | * |
| IN ARTILLERY : 5YR | DRIVER : | 77 | * |

COMBAT WHEN : N
ARTIL. COMBAT : N

#SUPERVISED : >50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SIMP COMP | ORDINARY TASKS: LON CLIMB STAIRS | LIFT MOVES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DFSTG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | 15 | 20 | 12 | 60 | 4 | 15 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | SELF-STIPULATED VALUES | | | | | | | | | | | | | |
| | | CONFIDENCE= 3 | | | | | | | | | | | | | |
| 4 32 | 411111 3 | 25 | 30 | 7 | 40 | 4 | 20 | 0 | 0 | [illegible] | [illegible] | 0 | 80 | 75 | 80 |
| 4 32 | 515431 3 | 60 | 140 | 1 | 10 | 2 | 50 | 12 | 8 | 30 | 1 | 60 | 240 | 120 | 50 |
| 4 32 | 114111 3 | 25 | 45 | 9 | 40 | 4 | 15 | 6 | 0 | 0 | 9 | 30 | 65 | 75 | 85 |
| 4 32 | 515711 3 | 90 | 100 | 1 | 10 | 1 | 30 | 14 | 7 | 30 | 12 | 45 | 180 | 140 | 50 |
| 4 32 | 213111 3 | 40 | 40 | 7 | 20 | 3 | 20 | 6 | 3 | 0 | 0 | 0 | 80 | 80 | 80 |
| 4 32 | 413111 3 | 25 | 35 | 6 | 25 | 4 | 20 | 6 | 3 | 20 | 0 | 0 | 90 | 80 | 60 |
| 4 32 | 311111 3 | 20 | 25 | 10 | 40 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| 4 32 | 313111 3 | 25 | 35 | 5 | 25 | 5 | 17 | 5 | 3 | 19 | 8 | 0 | 70 | 65 | 80 |
| 4 32 | 515223 3 | 45 | 50 | 2 | 5 | 1 | 20 | 10 | 6 | 25 | 11 | 25 | 180 | 90 | 60 |
| 4 32 | 414112 3 | 30 | [illegible] | 4 | 10 | 2 | 15 | 6 | 3 | 19 | 9 | 25 | 120 | 80 | 70 |
| 4 32 | 535111 3 | 45 | 30 | 2 | 10 | 2 | 20 | 8 | 6 | 24 | 10 | 30 | 120 | 90 | 70 |
| 4 32 | 112111 3 | 0 | 0 | 12 | 50 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 514111 3 | 25 | 55 | 6 | 20 | 4 | 12 | 6 | 5 | 19 | 4 | 25 | 80 | 70 | 60 |
| 4 32 | 315112 3 | 30 | 30 | 4 | 15 | 3 | 15 | 6 | 4 | 19 | 9 | 0 | 85 | 70 | 85 |
| 4 32 | 315113 3 | -1 | -1 | -1 | -1 | -1 | 15 | 7 | 5 | 21 | 11 | 3 | -1 | -1 | 50 |
| 4 32 | 515111 3 | 35 | 40 | 4 | 20 | 4 | 15 | 6 | 4 | 19 | 9 | 22 | 80 | 70 | 60 |
| 4 32 | 125111 3 | 35 | 45 | 4 | 20 | 4 | 15 | 6 | 4 | 19 | 9 | 0 | 80 | 70 | 80 |
| 4 32 | 534231 3 | 30 | 40 | 4 | 15 | 2 | 10 | 6 | 4 | 21 | 11 | 30 | 80 | 75 | 70 |
| 4 32 | 113111 3 | 0 | 0 | 6 | 40 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 521111 3 | 20 | 35 | 2 | 20 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 113121 3 | 20 | 25 | 2 | 15 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 |
| 4 32 | 211111 3 | 25 | 30 | 3 | 20 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 224111 3 | 30 | 25 | 2 | 15 | 2 | 10 | 6 | 4 | 19 | 9 | 25 | 90 | 70 | 80 |
| 4 32 | 413314 3 | 45 | 50 | 2 | 10 | 2 | 10 | 6 | 4 | 19 | 9 | 25 | 90 | 70 | 70 |
| 4 32 | 312111 3 | 25 | 35 | 4 | 20 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 314112 3 | 45 | 50 | 2 | 15 | 2 | 10 | 6 | 5 | 20 | 9 | 25 | 90 | 75 | 70 |
| 4 32 | 314113 3 | -1 | -1 | -1 | -1 | -1 | 20 | 8 | 0 | 21 | 11 | 30 | -1 | -1 | 60 |
| 4 32 | 412111 9 | 40 | 55 | 3 | 20 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 414111 9 | -1 | 120 | 2 | 10 | 2 | 10 | 7 | 6 | 21 | 11 | 26 | 180 | 120 | 60 |
| 4 32 | 525111 9 | -1 | -1 | -1 | -1 | -1 | 10 | 10 | 8 | 22 | 11 | 25 | -1 | -1 | 60 |
| 4 32 | 111121 3 | 0 | 0 | 6 | 30 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 212111 3 | 25 | 30 | 3 | 20 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 32 | 112121 3 | 45 | 55 | 3 | 25 | 4 | 10 | 6 | 3 | 20 | 9 | 22 | 90 | 75 | 0 |
| 4 32 | 112131 3 | 50 | 45 | 2 | 20 | 3 | 10 | 6 | 4 | 19 | 9 | 25 | 80 | 70 | 0 |
| 4 32 | 111131 3 | 45 | 50 | 2 | 20 | 3 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 |
| 4 32 | 113131 3 | 50 | 55 | 2 | 15 | 3 | 1 | 6 | 4 | 19 | [illegible] | 22 | 80 | 70 | 0 |
| 4 32 | 214112 3 | -1 | 40 | 1 | 15 | 2 | 1 | 8 | 6 | 21 | 9 | 25 | 120 | 90 | 70 |
| 4 32 | 314111 3 | -1 | 70 | -1 | 10 | 2 | 10 | 6 | 4 | 19 | 9 | 25 | 180 | 120 | 70 |
| 4 32 | 214113 3 | -1 | -1 | -1 | -1 | -1 | 15 | 8 | [illegible] | 24 | 14 | 30 | -1 | -1 | 60 |
| 4 32 | 114112 3 | -1 | 70 | -1 | 5 | 2 | 10 | 8 | 4 | 21 | 9 | 25 | 180 | 90 | 70 |

I HAVE BEEN PLT SGT OF AN AT PLT APPX TWICE IN THE PAST YR, RIGHT NOW I AM PRESENTLY A SECTION SGT OF AN ITV CREW IN CHARGE OF MAINTANCE, WELFARE, AS WELL SUPERVISION OF MY SECTION & US NAVY

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|
| GRADE : | | SQUAD LEADER : | 76 | 5 |
| MOS :11050 | | GUNNER : | 77 | 2 |
| IN ARMY :10YR | | LOADER : | 76 | 1 |
| IN ARTILLERY : 7YR | | DRIVER : | 75 | 8 |

WHEN
COMBAT :Y 68 *
ARTIL. COMBAT:N #SUPERVISED :>50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CO DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | 4 | 5 | 20 | 30 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 33 | 411111 | 4 | 30 | 40 | 5 | 8 | 20 | 30 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 85 |
| 4 33 | 515451 | 4 | -1 | -1 | -1 | 0.5 | 1 | 30 | 12 | 0 | 60 | 10 | 25 | 120 | 70 | 0 |
| 4 33 | 114111 | 9 | 20 | 30 | 1 | 3 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 80 |
| 4 33 | 515311 | 3 | 45 | 40 | 1 | 1 | 2 | 2 | 0 | 0 | 30 | 10 | 0 | -1 | 70 | 70 |
| 4 33 | 213111 | 4 | 20 | 40 | 1 | 1 | 5 | 40 | 0 | 0 | 20 | 8 | 0 | 120 | 70 | 70 |
| 4 33 | 413111 | 4 | 0 | 30 | 2 | 5 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 75 |
| 4 33 | 311111 | 4 | 0 | 0 | 2 | 5 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 80 |
| 4 33 | 313111 | 4 | 30 | 25 | 1 | 2 | 4 | 30 | 7 | 0 | 20 | 0 | 0 | 70 | 0 | 75 |
| 4 33 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 0 | 30 | 15 | 30 | -1 | -1 | 0 |
| 4 33 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | 40 | 10 | 0 | 30 | 15 | 30 | -1 | 70 | 10 |
| 4 33 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 30 | 8 | 0 | 25 | 15 | 25 | -1 | -1 | 15 |
| 4 33 | 112111 | 4 | 20 | 30 | 1 | 2 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 514111 | 4 | -1 | -1 | -1 | -1 | -1 | 40 | 8 | 0 | 0 | 10 | 0 | -1 | 120 | 60 |
| 4 33 | 313112 | 3 | -1 | -1 | -1 | 1 | 1 | 45 | 6 | 0 | 0 | 15 | 0 | -1 | 0 | 60 |
| 4 33 | 315113 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | 8 | 0 | 0 | 0 | 0 | -1 | 0 | 50 |
| 4 33 | 513111 | 4 | 0 | 40 | 1 | 1 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 123111 | 3 | 0 | 30 | 1 | 1 | 2 | 30 | 10 | 0 | 20 | 10 | 0 | 80 | 70 | 20 |
| 4 33 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 15 | 0 | 30 | 21 | 30 | -1 | 120 | 0 |
| 4 33 | 113111 | 4 | 0 | 0 | 1 | 1 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 33 | 521111 | 4 | 30 | 40 | 1 | 1 | 2 | 40 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 113121 | 4 | 30 | 40 | 1 | 1 | 2 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 211111 | 4 | 30 | 40 | 2 | 1 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 224111 | 3 | -1 | -1 | -1 | -1 | -1 | 40 | 8 | 4 | 2 | 0 | 0 | 120 | 0 | 60 |
| 4 33 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 33 | 312111 | 4 | 30 | 40 | 1 | 1 | 2 | 40 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 314112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 0 | 0 | 20 | 10 | 0 | 120 | 70 | 50 |
| 4 33 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | 50 | 8 | 0 | 20 | 10 | 30 | -1 | -1 | 10 |
| 4 33 | 412111 | 4 | 30 | 40 | 1 | 1 | 2 | 35 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 70 |
| 4 33 | 414111 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | 8 | 0 | 30 | 10 | 30 | -1 | -1 | 40 |
| 4 33 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | [illegible] | 10 | 0 | 30 | 10 | 30 | -1 | -1 | 0 |
| 4 33 | 111121 | 4 | 30 | 40 | 2 | 2 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 |
| 4 33 | 212111 | 4 | 0 | 0 | 2 | 3 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 33 | 112121 | 4 | 40 | 30 | 1 | 1 | 2 | 35 | 3 | 0 | 20 | 10 | 0 | 70 | 70 | 50 |
| 4 33 | 112131 | 9 | 30 | 40 | 2 | 2 | 3 | 40 | 0 | 0 | 20 | 0 | 0 | 75 | 65 | 70 |
| 4 33 | 111131 | 9 | 30 | 300,2 | 2 | 1 | 2 | 30 | 0 | 0 | 20 | 8 | 0 | 70 | 0 | 70 |
| 4 33 | 113131 | 4 | 20 | 30 | 1 | 1 | 2 | 30 | 0 | 0 | 20 | 6 | 0 | 70 | 0 | 70 |
| 4 33 | 214112 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | 8 | 0 | 20 | 10 | 30 | -1 | -1 | 0 |
| 4 33 | 314111 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | 10 | 0 | 20 | 10 | 0 | -1 | -1 | 0 |
| 4 33 | 214113 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | 10 | 0 | 30 | -1 | 0 | -1 | -1 | 0 |
| 4 33 | 114112 | 4 | -1 | -1 | -1 | -1 | -1 | 40 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 60 |

I HAVE BEEN A DRILL INSTRUCTOR AT FT DIX, N.J. WHICH IS VERY LONG HOURS AND MENTALLY VERY DIFFICULT.

DEMOGRAPHIC DATA

| | | | WHEN HD YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | SQUAD LEADER : | 75 | 6 |
| MOS | :11H40 | GUNNER : | | |
| IN ARMY | :13YR | LOADER : | | |
| IN ARTILLERY | : 6YR | DRIVER : | | |
| COMBAT | WHEN :Y 70 71 | | | |
| ARTIL. COMBAT:N | | #SUPERVISED : 10 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | 4 | 120 | 50 | 40 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIMULATED VALUES | | | | | | | | | | | |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 34 | 411111 | 4 | 30 | 30 | 3 | 20 | 3 | 20 | 0 | 0 | 20 | 10 | 30 | 0 | 0 | 80 |
| 4 34 | 515431 | 3 | 50 | 45 | 2 | 15 | 5 | 35 | 15 | 9 | 30 | 14 | 45 | 180 | 150 | 45 |
| 4 34 | 114111 | 4 | 45 | 60 | 2 | 15 | 4 | 2 | 0 | 0 | 30 | 14 | 40 | 160 | 180 | 30 |
| 4 34 | 515311 | 4 | 45 | 27 | 4 | 10 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 213111 | 4 | 45 | 40 | 2 | 15 | 5 | 20 | 0 | 0 | 20 | 10 | 40 | 120 | 120 | 80 |
| 4 34 | 413111 | 4 | 0 | 0 | 4 | 20 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 311111 | 4 | 0 | 0 | 6 | 22 | 7 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 313111 | 4 | 0 | 0 | 5 | 20 | 7 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 515223 | 4 | -1 | -1 | -1 | 10 | -1 | 40 | 30 | 15 | 45 | 21 | 40 | -1 | -1 | 49 |
| 4 34 | 414112 | 4 | 45 | -1 | 1.5 | 10 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 240 | 240 | 50 |
| 4 34 | 535111 | 4 | -1 | -1 | 0.5 | 10 | -1 | 20 | 0 | 0 | 0 | 0 | 0 | -1 | -1 | 50 |
| 4 34 | 112111 | 4 | 0 | 0 | 6 | 30 | 7 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 5?4111 | 4 | 45 | 35 | 2 | 10 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 180 | 180 | 55 |
| 4 34 | 313112 | 4 | 45 | 999 | 2 | 10 | 3 | 20 | 5 | 3 | 19 | 10 | 22 | 120 | 120 | 60 |
| 4 34 | 315113 | 4 | -1 | -1 | 0.5 | 5 | 1 | 20 | 10 | 8 | 34 | 10 | 60 | 120 | 120 | 60 |
| 4 34 | 513111 | 4 | 0 | 0 | 4 | 10 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| 4 34 | 123111 | 4 | 0 | 0 | 6 | 15 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 334231 | 4 | 45 | 35 | 2 | 5 | 5 | 20 | 15 | 10 | 34 | 10 | 40 | 120 | 120 | 70 |
| 4 34 | 115111 | 4 | 0 | 0 | 4 | 20 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 521111 | 4 | 0 | 0 | 4 | 10 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 |
| 4 34 | 113121 | 4 | 0 | 0 | 3 | 10 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 211111 | 4 | 0 | 0 | 4 | 20 | 7 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 224111 | 4 | 30 | 60 | 3 | 10 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 999 |
| 4 34 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 40 |
| 4 34 | 312111 | 4 | 0 | 0 | 4 | 15 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 314112 | 4 | 0 | 0 | 4 | 10 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 314113 | 4 | 0 | 0 | 4 | 20 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 412111 | 4 | 0 | 0 | 4 | 18 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 414111 | 4 | 45 | 40 | 2 | 10 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 0 |
| 4 34 | 525111 | 4 | 30 | 40 | 2 | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 180 | 180 | 65 |
| 4 34 | 111121 | 4 | 0 | 0 | 3 | 21 | 9 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 212111 | 4 | 0 | 0 | 4 | 22 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 112121 | 4 | 0 | 0 | 4 | 22 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| 4 34 | 112131 | 4 | 30 | 45 | 4 | 15 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 75 |
| 4 34 | 111131 | 4 | 0 | 0 | 4 | 23 | 7 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 113131 | 4 | 0 | 0 | 4 | 20 | 6 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 34 | 214112 | 4 | 30 | 40 | 2 | 8 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 75 |
| 4 34 | 314111 | 4 | 30 | 40 | 2 | 5 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 180 | 180 | 75 |
| 4 34 | 214113 | 4 | 30 | 40 | 1 | 5 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 180 | 180 | 65 |
| 4 34 | 114112 | 4 | 30 | 40 | 2 | 10 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 120 | 120 | 75 |

TOW SECTION LDRS, GERMANY, ON NCOIC IN CHARGE OF ALL TOW TRAINING, TOW INSTUCTOR FT POLK MOUNTED, JEEP, TRACK AND GOAT.
* VIETNAM ** GERMANY

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : | | SQUAD LEADER : | | 3 * |
| MOS :11H3V | | GUNNER : | | 6* |
| IN ARMY :12YR | | LOADER : | | |
| IN ARTILLERY : 7YR | | DRIVER : | | |

COMBAT : Y 68 70*
ARTIL. COMBAT: Y 68 70* #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW SIMP COMP RESP | ORDINARY TASKS: LOW CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | 15 | 20 | 7 | 90 | 100 | 8 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 904 |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | CONFIDENCE= 5 | | | | | | | | | | | |
| 4 35 411111 5 | 18 | 26 | 6 | 75 | 70 | 8 | 6 | 0 | 25 | 10 | 23 | 68 | 68 | 75 |
| 4 35 515431 5 | -1 | -1 | -1 | -1 | 1 | 17 | -1 | 5 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 35 114111 5 | 25 | 30 | 5 | 30 | 30 | 10 | 10 | 5 | 25 | 11 | 25 | 78 | 79 | 80 |
| 4 35 515311 5 | -1 | -1 | -1 | 1 | -1 | 17 | -1 | 7 | -1 | 15 | 40 | -1 | -1 | 10 |
| 4 35 213111 5 | 20 | 25 | 6 | 49 | 52 | 8 | 0 | 0 | 18 | 0 | 22 | 65 | 65 | 0 |
| 4 35 413111 8 | 22 | 27 | 5 | 39 | 45 | 11 | 10 | 3 | 19 | 10 | 23 | 66 | 66 | 75 |
| 4 35 311111 5 | 17 | 22 | 7 | 50 | 60 | 7 | 0 | 0 | 0 | 0 | 22 | 62 | 62 | 79 |
| 4 35 313111 5 | 16 | 23 | 8 | 57 | 50 | 6 | 6 | 4 | 19 | 8 | 24 | 69 | 69 | 77 |
| 4 35 515223 5 | -1 | -1 | -1 | 1 | 1 | 11 | -1 | 5 | -1 | 11 | -1 | -1 | -1 | 0 |
| 4 35 414112 5 | 20 | 25 | 3 | 25 | 20 | 4 | 0 | 0 | 19 | 9 | 23 | 64 | 64 | 84 |
| 4 35 535111 5 | -1 | -1 | -1 | 2 | 1 | 10 | 7 | 5 | -1 | -1 | -1 | -1 | -1 | 30 |
| 4 35 112111 5 | 23 | 25 | 8 | 90 | 75 | 5 | 0 | 0 | 0 | 0 | 23 | 63 | 63 | 89 |
| 4 35 514111 5 | -1 | 40 | 1 | 2 | 5 | 9 | 8 | 4 | 30 | 14 | 30 | -1 | -1 | 40 |
| 4 35 313112 5 | 999 | 999 | 1 | 1 | 2 | 8 | 5 | 4 | 25 | 14 | 33 | -1 | -1 | 34 |
| 4 35 315113 5 | -1 | -1 | 1 | 1 | 1 | 10 | 9 | 6 | -1 | 14 | -1 | -1 | -1 | 10 |
| 4 35 513111 5 | -1 | -1 | 1 | 4 | 1 | 7 | 9 | 5 | 25 | 11 | 40 | -1 | -1 | 34 |
| 4 35 123111 5 | 20 | 25 | 7 | 39 | 30 | 5 | 0 | 0 | 21 | 10 | 24 | 71 | 71 | 87 |
| 4 35 334231 5 | -1 | -1 | 1 | 1 | 1 | 8 | 7 | 5 | -1 | 11 | -1 | -1 | -1 | 29 |
| 4 35 113111 9 | 17 | 23 | 8 | 36 | 50 | 5 | 0 | 0 | 19 | 0 | 24 | 66 | 66 | 88 |
| 4 35 521111 5 | 35 | 45 | 3 | 6 | 1 | 7 | 0 | 0 | 27 | 10 | -1 | -1 | -1 | 30 |
| 4 35 113121 5 | 23 | 30 | 5 | 25 | 10 | 7 | 0 | 0 | 19 | 9 | 25 | 65 | 65 | 75 |
| 4 35 211111 5 | 22 | 27 | 7 | 40 | 30 | 6 | 0 | 0 | 19 | 10 | 24 | 66 | 66 | 74 |
| 4 35 224111 5 | 20 | 25 | 6 | 35 | 29 | 7 | 0 | 0 | 20 | 11 | 26 | 66 | 66 | 70 |
| 4 35 415314 5 | -1 | -1 | 1 | 1 | -1 | 9 | 8 | 6 | -1 | 14 | -1 | -1 | -1 | 0 |
| 4 35 312111 5 | 24 | 31 | 5 | 25 | 30 | 8 | 5 | 4 | 21 | 12 | 25 | 70 | 70 | 76 |
| 4 35 314112 5 | 999 | 999 | 1 | 2 | -1 | 9 | 7 | 5 | 25 | 14 | 34 | -1 | -1 | 25 |
| 4 35 314113 5 | -1 | -1 | -1 | -1 | -1 | 8 | 10 | 6 | -1 | 11 | -1 | -1 | -1 | 1 |
| 4 35 412111 5 | 20 | 25 | 4 | 20 | 15 | 7 | 6 | 4 | 23 | 12 | 26 | 71 | 71 | 68 |
| 4 35 414111 5 | 31 | 32 | 2 | 10 | 4 | 6 | 7 | 5 | 22 | 13 | 22 | 79 | 79 | 60 |
| 4 35 525111 5 | -1 | -1 | 1 | 1 | -1 | 7 | 8 | 6 | -1 | 15 | -1 | -1 | -1 | 10 |
| 4 35 111121 5 | 17 | 23 | 8 | 40 | 35 | 9 | 0 | 0 | 20 | 10 | 25 | 65 | 65 | 88 |
| 4 35 212111 5 | 17 | 23 | 7 | 65 | 35 | 5 | 0 | 0 | 20 | 10 | 25 | 66 | 66 | 83 |
| 4 35 112121 5 | 19 | 23 | 8 | 50 | 39 | 5 | 0 | 0 | 19 | 0 | 24 | 65 | 65 | 85 |
| 4 35 112131 5 | 21 | 26 | 7 | 40 | 25 | 5 | 0 | 0 | 23 | 0 | 29 | 78 | 78 | 75 |
| 4 35 111131 5 | 21 | 24 | 5 | 30 | 25 | 5 | 5 | 3 | 23 | 11 | 26 | 76 | 76 | 75 |
| 4 35 113131 5 | 19 | 24 | 5 | 30 | 17 | 6 | 5 | 3 | 23 | 10 | 26 | 70 | 70 | 81 |
| 4 35 214112 5 | 27 | 33 | 6 | 25 | 17 | 7 | 4 | 4 | 27 | 14 | 27 | 78 | 78 | 77 |
| 4 35 314111 5 | 23 | 27 | 3 | 10 | 4 | 6 | 7 | 4 | 32 | 14 | 26 | 77 | 77 | 68 |
| 4 35 214113 5 | -1 | -1 | 1 | 4 | 1 | 7 | 8 | 4 | -1 | 15 | -1 | -1 | -1 | 5 |
| 4 35 114112 9 | -1 | -1 | 1 | 1 | -1 | 7 | 8 | 4 | -1 | 15 | -1 | -1 | -1 | 999 |

1) ITV SECTION LEADER- RESPONSIBLE FOR SUPERVISION OF 7 PEOPLE AND 2 ITVS 2) WEAPONS PLT SGT-RESPONSIBLE FOR SUPERVISION OF 81 MM MORTAR SECTION AND 1 ITV SECTION.

DEMOGRAPHIC DATA

| | | | WHEN DD YR | HOW LONG YR DD |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 74 | 1 6 |
| MOS | :11B5OE9 | GUNNER : | 77 | 6 |
| IN ARMY | : 6YR | LOADER : | | |
| IN ARTILLERY | : 6YR | DRIVER : | | |

WHEN

COMBAT :Y 69 70

ARTIL. COMBAT:N #SUPERVISED : 20

IMPROVED LOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW RESP SYMP COMP | LOW CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | 15 | 20 | 10 | 60 | 18 | 5 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 36 411111 3 | 45 | 55 | 5 | 15 | 7 | 10 | 7 | 5 | 25 | 16 | 29 | 130 | 85 | 50 |
| 4 36 515431 3 | -1 | -1 | 1 | 2 | 1 | 30 | 12 | 10 | 30 | 20 | 35 | -1 | 100 | 30 |
| 4 36 114111 3 | 30 | 45 | 3 | 6 | 3 | 8 | 6 | 4 | 30 | 10 | 28 | 105 | 75 | 60 |
| 4 36 515311 3 | 40 | -1 | 1 | 1 | 1 | 15 | 10 | 5 | 35 | 30 | 35 | -1 | 110 | 40 |
| 4 36 213111 3 | 25 | 40 | 6 | 25 | 10 | 7 | 6 | 4 | 23 | 12 | 27 | 95 | 75 | 60 |
| 4 36 413111 3 | 35 | 50 | 3 | 2 | 3 | 15 | 7 | 5 | 35 | 25 | 30 | 150 | 90 | 60 |
| 4 36 311111 3 | 22 | 30 | 6 | 15 | 5 | 7 | 6 | 3 | 25 | 12 | 28 | 75 | 69 | 80 |
| 4 36 313111 3 | 23 | 35 | 4 | 10 | 2 | 7 | 6 | 4 | 22 | 13 | 26 | 85 | 70 | 80 |
| 4 36 515223 3 | -1 | -1 | -1 | 1 | 1 | 12 | 10 | 5 | 30 | 30 | 35 | -1 | 90 | 45 |
| 4 36 414112 3 | 30 | -1 | 2 | 1.5 | 1 | 8 | 6 | 4 | 25 | 14 | 28 | 120 | 85 | 55 |
| 4 36 535111 3 | 35 | 60 | 3 | 2 | 2 | 8 | 7 | 5 | 30 | 35 | 30 | 250 | 95 | 5 |
| 4 36 112111 4 | 19 | 25 | 9 | 40 | 12 | 5 | 5 | 0 | 19 | 10 | 0 | 70 | 0 | 85 |
| 4 36 514111 3 | 25 | 35 | 2 | 2 | 2 | 7 | 6 | 3 | 25 | 13 | 25 | 150 | 90 | 70 |
| 4 36 313112 3 | 30 | 50 | 1 | 1 | 1 | 10 | 6 | 5 | 23 | 15 | 27 | 105 | 80 | 60 |
| 4 36 315113 3 | 50 | -1 | 1 | 1 | 1 | 12 | 10 | 5 | 35 | 35 | 35 | -1 | 125 | 40 |
| 4 36 513111 3 | 25 | 50 | 2 | 3 | 2 | 7 | 7 | 4 | 28 | 20 | 25 | 150 | 85 | 65 |
| 4 36 123111 3 | 10 | 25 | 7 | 30 | 10 | 6 | 5 | 3 | 19 | 10 | 21 | 70 | 65 | 75 |
| 4 36 334231 3 | 25 | 35 | 3 | 20 | 3 | 8 | 6 | 4 | 26 | 15 | 25 | 135 | 85 | 75 |
| 4 36 113111 3 | 20 | 25 | 8 | 45 | 14 | 5 | 0 | 0 | 19 | 10 | 0 | 75 | 0 | 88 |
| 4 36 521111 3 | 22 | 30 | 5 | 25 | 6 | 6 | 0 | 0 | 20 | 12 | 0 | 150 | 70 | 75 |
| 4 36 113121 3 | 16 | 25 | 6 | 30 | 8 | 6 | 0 | 0 | 25 | 12 | 0 | 90 | 65 | 85 |
| 4 36 211111 3 | 20 | 30 | 7 | 40 | 8 | 6 | 5 | 3 | 20 | 10 | 22 | 80 | 65 | 85 |
| 4 36 224111 3 | 30 | 40 | 3 | 15 | 2 | 8 | 6 | 4 | 28 | 15 | 30 | 180 | 100 | 70 |
| 4 36 415314 3 | -1 | -1 | 1 | 1 | 1 | 12 | 10 | 5 | 35 | 25 | 30 | -1 | 120 | 40 |
| 4 36 312111 3 | 22 | 35 | 6 | 30 | 7 | 6 | 5 | 3 | 20 | 10 | 23 | 75 | 65 | 60 |
| 4 36 314112 3 | 25 | 35 | 2 | 15 | 3 | 7 | 5 | 3 | 30 | 15 | 25 | 200 | 85 | 60 |
| 4 36 314113 3 | 30 | 50 | 1 | 5 | 1 | 8 | 7 | 4 | 30 | 15 | 25 | -1 | 120 | 55 |
| 4 36 412111 3 | 20 | 30 | 4 | 20 | 3 | 6 | 5 | 3 | 25 | 10 | 23 | 75 | 65 | 80 |
| 4 36 414111 3 | 30 | 40 | 2 | 10 | 2 | 7 | 6 | 4 | 25 | 13 | 25 | 150 | 95 | 65 |
| 4 36 525111 3 | 60 | 90 | 1 | 3 | 1 | 8 | 8 | 6 | 30 | 25 | 25 | -1 | 999 | 45 |
| 4 36 111121 3 | 17 | 23 | 8 | 45 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 70 | 65 | 88 |
| 4 36 212111 3 | 22 | 31 | 5 | 25 | 4 | 6 | 0 | 0 | 22 | 10 | 0 | 85 | 70 | 80 |
| 4 36 112121 3 | 22 | 30 | 4 | 30 | 3 | 6 | 0 | 0 | 20 | 10 | 0 | 85 | 70 | 85 |
| 4 36 112131 3 | 25 | 40 | 3 | 20 | 3 | 7 | 5 | 3 | 26 | 15 | 0 | 95 | 75 | 70 |
| 4 36 111131 3 | 16 | 25 | 8 | 45 | 7 | 6 | 0 | 0 | 20 | 10 | 0 | 70 | 65 | 85 |
| 4 36 113131 3 | 25 | 40 | 3 | 25 | 3 | 6 | 0 | 0 | 24 | 10 | 0 | 85 | 70 | 80 |
| 4 36 214112 3 | 30 | 30 | 1 | 5 | 1 | 7 | 10 | 5 | 30 | 19 | 30 | -1 | 95 | 50 |
| 4 36 314111 3 | 30 | 40 | 1 | 10 | 1 | 6 | 10 | 8 | 30 | 12 | 28 | 150 | 90 | 50 |
| 4 36 214113 3 | 40 | 60 | 1 | 2 | 1 | 8 | 10 | 5 | 30 | 20 | 30 | -1 | 999 | 40 |
| 4 36 114112 3 | 35 | 40 | 3 | 20 | 2 | 7 | 12 | 6 | 35 | 15 | 35 | -1 | 95 | 50 |

DRILL SERGEANT AT FT BENNING GEORGIA TRAINING TODAYS INITIAL ENTRY SOLDIERS

DEMOGRAPHIC DATA    SQUAD LEADER : 76   3

GRADE : E-6
MOS : 11H50
IN ARMY : 12YR
IN ARTILLERY : 7YR
COMBAT : N
ARTIL. COMBAT : N

SQUAD LEADER : 76 3
GUNNER :
LOADER :
DRIVER :

#SUPERVISED : >50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED 106 VEHICLE CREW

| CREW RESP | SIMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: LD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | 15 | 20 | 3 | 120 | 10 | 5 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 37 | 411111 | 3 | 24 | 22 | 1 | 120 | 9 | 6 | 6 | 3 | 27 | 10 | 0 | 100 | 92 | 65 |
| 4 37 | 515431 | 4 | 50 | 60 | -1 | 10 | 1 | 25 | 12 | 6 | 39 | 20 | 28 | 140 | 115 | 50 |
| 4 37 | 114111 | 3 | 55 | 45 | -1 | 10 | 3 | 15 | 16 | 15 | 30 | 23 | 0 | 160 | 135 | 55 |
| 4 37 | 515311 | 3 | 0 | 35 | -1 | 5 | -1 | 23 | 17 | 8 | 41 | 27 | 25 | 160 | 140 | 45 |
| 4 37 | 213111 | 4 | 25 | 35 | 2 | 110 | 6 | 10 | 9 | 6 | 35 | 20 | 22 | 95 | 84 | 65 |
| 4 37 | 413111 | 4 | 45 | 35 | 3 | 90 | 8 | 15 | 12 | 9 | 40 | 30 | 23 | 149 | 124 | 45 |
| 4 37 | 311111 | 4 | 0 | 0 | 3 | 100 | 8 | 6 | 6 | 0 | 27 | 12 | 0 | 80 | 77 | 65 |
| 4 37 | 313111 | 4 | 0 | 21 | 3 | 89 | 9 | 7 | 8 | 0 | 27 | 13 | 0 | 80 | 75 | 70 |
| 4 37 | 515223 | 4 | -1 | -1 | -1 | 5 | -1 | 25 | 20 | 10 | 45 | 28 | 35 | 150 | 135 | [illegible] |
| 4 37 | 414112 | 4 | 25 | 27 | 3 | 20 | 6 | 8 | 11 | 8 | 23 | 15 | 0 | 95 | 90 | 60 |
| 4 37 | 535111 | 4 | 29 | 25 | 1 | 15 | 6 | 12 | 24 | 9 | 40 | 18 | 0 | 90 | 85 | 69 |
| 4 37 | 112111 | 4 | 0 | 0 | 10 | 120 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 37 | 514111 | 4 | 30 | 25 | 3 | 10 | 5 | 10 | 12 | 3 | 25 | 10 | 0 | 100 | 95 | 80 |
| 4 37 | 313112 | 4 | 25 | 21 | 3 | 20 | 5 | 5 | 12 | 6 | 21 | 11 | 0 | 100 | 95 | 80 |
| 4 37 | 315113 | 4 | 35 | 30 | 2 | 10 | 5 | 5 | 20 | 8 | 30 | 21 | 0 | 105 | 95 | 80 |
| 4 37 | 513111 | 4 | 17 | 6 | 3 | 15 | 7 | 9 | 8 | 4 | 19 | 9 | 0 | 80 | 75 | 70 |
| 4 37 | 123111 | 4 | 17 | 0 | 3 | 115 | 8 | 5 | 9 | 4 | 20 | 10 | 0 | 70 | 59 | 85 |
| 4 37 | 334231 | 4 | 45 | 40 | -1 | 5 | -1 | 10 | 15 | 10 | 37 | 17 | 0 | 125 | 120 | 35 |
| 4 37 | 113111 | 4 | 0 | 0 | 2 | 100 | 7 | 5 | 0 | 4 | 20 | 11 | 0 | 75 | 66 | 79 |
| 4 37 | 521111 | 4 | 17 | 21 | 2 | 70 | 9 | 5 | 6 | 4 | 19 | 9 | 0 | 69 | 63 | 80 |
| 4 37 | 113121 | 4 | 25 | 22 | 1 | 40 | 3 | 7 | 12 | 9 | 27 | 17 | 0 | 125 | 119 | 60 |
| 4 37 | 211111 | 4 | 21 | 22 | 2 | 30 | 4 | 10 | 11 | 5 | 21 | 9 | 0 | 95 | 89 | 55 |
| 4 37 | 224111 | 4 | 26 | 22 | 1 | 30 | 3 | 6 | 12 | 7 | 37 | 20 | 0 | 105 | 98 | 49 |
| 4 37 | 415319 | 4 | 40 | 31 | -1 | -1 | -1 | 20 | 20 | 12 | 46 | 30 | 28 | 160 | 153 | 35 |
| 4 37 | 312111 | 4 | 20 | 21 | 2 | 45 | 7 | 6 | 6 | 4 | 30 | 12 | 0 | 80 | 72 | 60 |
| 4 37 | 314112 | 3 | 17 | 210 | 2 | 20 | 3 | 6 | 9 | 3 | 19 | 10 | 0 | 75 | 69 | 70 |
| 4 37 | 314113 | 3 | 31 | 24 | -1 | 5 | -1 | 11 | 15 | 9 | 25 | 16 | 22 | 130 | 110 | 35 |
| 4 37 | 412111 | 3 | 16 | 21 | 3 | 110 | 9 | 5 | 6 | 3 | 19 | 8 | 0 | 65 | 62 | 87 |
| 4 37 | 414111 | 4 | 19 | 21 | 1 | 25 | 3 | 10 | 10 | 7 | 24 | 11 | 0 | 115 | 98 | 62 |
| 4 37 | 525111 | 3 | 19 | 21 | 1 | 20 | 3 | 7 | 12 | 8 | 30 | 17 | 0 | 110 | 98 | 66 |
| 4 37 | 111121 | 4 | 0 | 0 | 3 | 100 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| 4 37 | 212111 | 4 | 0 | 0 | 3 | 140 | 10 | 5 | 0 | 0 | 0 | 8 | 0 | 64 | 61 | 86 |
| 4 37 | 112121 | 4 | 16 | 21 | 3 | 140 | 9 | 5 | 5 | 3 | 18 | 8 | 0 | 65 | 61 | 79 |
| 4 37 | 112131 | 4 | 19 | 22 | 1 | 96 | 7 | 5 | 10 | 6 | 24 | 12 | 0 | 90 | 84 | 69 |
| 4 37 | 111131 | 3 | 17 | 21 | 1 | 90 | 6 | 7 | 12 | 6 | 30 | 13 | 0 | 95 | 89 | 60 |
| 4 37 | 113131 | 4 | 19 | 23 | -1 | 35 | 4 | 5 | 12 | 7 | 31 | 14 | 0 | 105 | 98 | 54 |
| 4 37 | 214112 | 4 | 30 | 27 | -1 | -1 | -1 | 5 | 12 | 7 | 37 | 17 | 0 | 115 | 105 | 45 |
| 4 37 | 314111 | 4 | 24 | 21 | 1 | 35 | 4 | 5 | 11 | 5 | 27 | 10 | 0 | 85 | 80 | 60 |
| 4 37 | 214113 | 4 | 30 | 24 | -1 | -1 | 2 | 5 | 12 | 7 | 37 | 17 | 0 | 115 | 105 | 35 |
| 4 37 | 114112 | 4 | 30 | 24 | -1 | -1 | 2 | 5 | 12 | 5 | 37 | 16 | 0 | 115 | 105 | 60 |

SECTION SGT. FOR A 106 WEAPONS SYSTEM MOUNTED ON AN M151A2

DEMOGRAPHIC DATA

| | | | WHEN DO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER | :10 78 | 5 |
| MOS | :11H30 | GUNNER | : | |
| TH ARMY | :10YR | LOADER | : | |
| TH ARTILLERY | : 4YR | DRIVER | : | |

WHEN

COMBAT :N

ARTIL. COURATIN

#SUPERVISED : 20

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | ORDINARY TASKS: SYMP COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DESIG TGT AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | 15 | 20 | | | | | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| SELF-STIPULATED VALUES | | | | 4 | 60 | 10 | 5 | | | | | | | | |
| CONFIDENCE= 2 | | | | | | | | | | | | | | | |
| 4 39 411111 | 3 | 20 | 25 | 3 | 40 | 3 | 5 | 5 | 3 | 0 | 12 | 25 | 80 | 90 | 85 |
| 4 39 515431 | 3 | 60 | 120 | 1 | 5 | 1 | 20 | 10 | 5 | 45 | 20 | 60 | 180 | 180 | 30 |
| 4 39 114111 | 3 | 35 | 30 | 1 | 10 | 2 | 10 | 5 | 0 | 25 | 15 | 30 | 100 | 150 | 70 |
| 4 39 515311 | 3 | 35 | 30 | 1 | 5 | 2 | 10 | 0 | 4 | 30 | 15 | 30 | 150 | 120 | 60 |
| 4 39 213111 | 3 | 25 | 40 | 2 | 50 | 8 | 5 | 6 | 3 | 23 | 9 | 25 | 90 | 90 | 80 |
| 4 39 413111 | 3 | 20 | 30 | 3 | 60 | 6 | 5 | 6 | 0 | 25 | 0 | 25 | 70 | 90 | 85 |
| 4 39 311111 | 3 | 25 | 35 | 2 | 60 | 3 | 5 | 0 | 0 | 20 | 0 | 25 | 70 | 90 | 65 |
| 4 39 313111 | 3 | 25 | 30 | 2 | 45 | 3 | 5 | 0 | 0 | 23 | 10 | 25 | 70 | 90 | 85 |
| 4 39 515223 | 3 | 60 | 90 | -1 | 10 | 1 | 10 | 12 | 6 | 40 | 14 | 50 | 180 | 180 | 30 |
| 4 39 414112 | 3 | 40 | 50 | 1 | 15 | 2 | 5 | 6 | 4 | 25 | 10 | 25 | 90 | 120 | 70 |
| 4 39 535111 | 3 | 45 | 100 | -1 | 5 | 1 | 10 | 4 | 4 | 40 | 15 | 35 | 150 | 180 | 20 |
| 4 39 112111 | 3 | 20 | 30 | 2 | 45 | 5 | 5 | 0 | 0 | 20 | 0 | 0 | 70 | 90 | 85 |
| 4 39 514111 | 3 | 35 | 50 | 1 | 15 | 2 | 10 | 6 | 3 | 30 | 10 | 25 | 90 | 120 | 60 |
| 4 39 313112 | 3 | 40 | 60 | 1 | 10 | 1 | 5 | 8 | 4 | 40 | 12 | 40 | 120 | 150 | 70 |
| 4 39 315113 | 3 | 45 | 90 | -1 | -1 | 1 | 10 | 10 | 6 | 45 | 15 | 35 | 180 | 200 | 30 |
| 4 39 513111 | 3 | 20 | 30 | 1 | 10 | 2 | 5 | 0 | 0 | 20 | 0 | 0 | 90 | 120 | 60 |
| 4 39 123111 | 3 | 25 | 60 | 2 | 45 | 6 | 5 | 0 | 0 | 19 | 0 | 23 | 90 | 120 | 80 |
| 4 39 534231 | 3 | 45 | 80 | 1 | 5 | 1 | 10 | 12 | 6 | 45 | 15 | 40 | 180 | 200 | 20 |
| 4 39 113111 | 0 | 0 | 0 | 4 | 60 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 39 521111 | 3 | 25 | 30 | 2 | 45 | 5 | 5 | 0 | 0 | 20 | 0 | 25 | 80 | 120 | 85 |
| 4 39 113121 | 3 | 35 | 35 | 2 | 40 | 2 | 5 | 6 | 0 | 22 | 9 | 22 | 90 | 120 | 80 |
| 4 39 211111 | 4 | 0 | 25 | 3 | 45 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 65 |
| 4 39 224111 | 3 | 45 | 70 | 1 | 10 | 2 | 5 | 6 | 3 | 24 | 10 | 25 | 90 | 120 | 60 |
| 4 39 415314 | 4 | 60 | 120 | -1 | -1 | 1 | 10 | 14 | 5 | 45 | 20 | 45 | 180 | 240 | 10 |
| 4 39 312111 | 0 | 25 | 30 | 3 | 35 | 2 | 5 | 0 | 0 | 20 | 10 | 0 | 65 | 90 | 85 |
| 4 39 314112 | 3 | 45 | 100 | -1 | -1 | 1 | 5 | 8 | 4 | 30 | 10 | 30 | 120 | 180 | 50 |
| 4 39 314113 | 3 | 60 | 120 | -1 | -1 | 1 | 10 | 12 | 6 | 45 | 14 | 45 | 180 | 240 | 20 |
| 4 33 412111 | 3 | 20 | 30 | 3 | 45 | 3 | 5 | 0 | 0 | 20 | 0 | 0 | 90 | 120 | 85 |
| 4 39 414111 | 3 | 30 | 35 | 1 | 5 | 2 | 5 | 0 | 0 | 25 | 10 | 25 | 120 | 180 | 75 |
| 4 39 525111 | 3 | 45 | 60 | -1 | 5 | 1 | 5 | 8 | 6 | 35 | 10 | 35 | 120 | 180 | 40 |
| 4 39 111121 | 3 | 0 | 25 | 2 | 60 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 85 |
| 4 39 212111 | 3 | 35 | 45 | 1 | 60 | 2 | 5 | 0 | 0 | 20 | 0 | 25 | 80 | 120 | 80 |
| 4 39 112121 | 3 | 20 | 25 | 2 | 45 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 75 | 80 | 85 |
| 4 39 112131 | 3 | 20 | 30 | 2 | 30 | 2 | | 0 | 0 | 0 | 0 | 0 | 80 | 120 | 65 |
| 4 39 111131 | 3 | 20 | 30 | 1 | 30 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 80 | 120 | 85 |
| 4 39 113131 | 3 | 25 | 35 | 1 | 20 | 2 | 5 | 0 | 0 | 20 | 10 | 25 | 90 | 120 | 80 |
| 4 39 214112 | 3 | 35 | 60 | 1 | 30 | 2 | 5 | 0 | 0 | 25 | 10 | 30 | 120 | 180 | 70 |
| 4 39 314111 | 3 | 40 | 60 | 1 | 30 | 2 | 5 | 0 | 0 | 25 | 12 | 30 | 120 | 180 | 75 |
| 4 39 214113 | 3 | 45 | 30 | -1 | -1 | 1 | 10 | 8 | 6 | 40 | 12 | 30 | 180 | 240 | 40 |
| 4 39 114112 | 3 | 35 | 45 | 1 | 20 | 2 | 5 | 0 | 0 | 25 | 10 | 25 | 120 | 180 | 65 |

ACTED BRIEFLY AS PLT SGT FOR AN AT PLT, SECTION LDR FOR ANOTHER SHORT PERIOD OF TIME AND APPROX 9 MONTHS AS THE NCO AND OCCASIONALLY QUALIFYING ON THE TOW GUNNER WITH THE ITV FOR APPROX 2 1/2 YEARS; WORKED WITH M220 TOW FOR 2 YEARS

DEMOGRAPHIC DATA WHEN GO YR HOW LONG YR GO

GRADE :E-6 SQUAD LEADER : 4 6
MOS :11H GUNNER :
IN ARMY :11YR GO LOADER :
IN ARTILLERY : 4YR 6 WHEN DRIVER :
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW SYMP CON RESP COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | 15 | 20 | 6 | 20 | 10 | 12 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | CONFIDENCE= 3 | | | | | | | | | | | |
| 4 40 411111 4 | 20 | 25 | 4 | 12 | 9 | 13 | 5 | 4 | 0 | 10 | 0 | 80 | 100 | 88 |
| 4 40 515431 9 | 60 | -1 | 1 | 5 | 1 | 25 | 12 | 8 | 25 | 12 | 38 | 150 | -1 | 40 |
| 4 40 114111 4 | -1 | 70 | -1 | -1 | -1 | 30 | 5 | 3 | 19 | 10 | 28 | 150 | 180 | 60 |
| 4 40 515311 4 | -1 | 65 | -1 | 1 | -1 | 30 | 7 | 4 | 23 | 12 | 30 | 180 | -1 | 40 |
| 4 40 213111 4 | 25 | 30 | 5 | 5 | 5 | 14 | 6 | 4 | 19 | 12 | 23 | 75 | 90 | 70 |
| 4 40 413111 4 | 23 | 28 | 3 | 4 | 4 | 14 | 6 | 3 | 19 | 11 | 23 | 70 | 90 | 70 |
| 4 40 311111 4 | 17 | 23 | 5 | 15 | 6 | 13 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 88 |
| 4 40 313111 4 | 30 | 30 | 3 | 8 | 5 | 15 | 5 | 3 | 0 | 8 | 22 | 68 | 75 | 65 |
| 4 40 515223 4 | -1 | -1 | -1 | -1 | -1 | 30 | 10 | 5 | 25 | 15 | 35 | -1 | -1 | 38 |
| 4 40 414112 4 | 45 | 50 | 1 | 1 | 2 | 20 | 7 | 3 | 20 | 12 | 25 | 160 | 180 | 60 |
| 4 40 535111 4 | -1 | -1 | -1 | -1 | -1 | 30 | 15 | 8 | 25 | 15 | 30 | -1 | -1 | 30 |
| 4 40 112111 4 | 35 | 30 | 4 | 10 | 6 | 12 | 0 | 0 | 18 | 9 | 23 | 80 | 120 | 60 |
| 4 40 514111 4 | -1 | -1 | -1 | -1 | -1 | 35 | 10 | 6 | 28 | 15 | 30 | -1 | -1 | 30 |
| 4 40 313112 4 | -1 | -1 | 1 | -1 | 1 | 30 | 8 | 5 | 25 | 15 | 30 | 120 | 200 | 30 |
| 4 40 315113 4 | -1 | -1 | -1 | -1 | -1 | 40 | 11 | 5 | 25 | 15 | 30 | 120 | 220 | 28 |
| 4 40 513111 4 | 33 | 35 | 2 | 4 | 3 | 15 | 0 | 3 | 19 | 9 | 23 | 80 | 110 | 75 |
| 4 40 123111 4 | 25 | 35 | 5 | 5 | 3 | 14 | 0 | 0 | 0 | 0 | 0 | 65 | 70 | 75 |
| 4 40 334231 4 | -1 | -1 | 1 | 1 | 1 | 18 | 12 | 8 | 23 | 12 | 32 | 160 | 300 | 30 |
| 4 40 113111 4 | 19 | 28 | 3 | 8 | 5 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| 4 40 521111 4 | 30 | 35 | 2 | 2 | 3 | 17 | 7 | 4 | 20 | 9 | 22 | 70 | 110 | 50 |
| 4 40 113121 4 | 20 | 32 | 3 | 4 | 4 | 14 | 6 | 3 | 19 | 9 | 22 | 65 | 75 | 78 |
| 4 40 211111 4 | 0 | 0 | 6 | 20 | 10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 |
| 4 40 224111 4 | 30 | 40 | 1 | 1 | 3 | 15 | 7 | 3 | 23 | 10 | 29 | 90 | 150 | 58 |
| 4 40 415314 4 | -1 | -1 | -1 | -1 | -1 | 28 | 14 | 7 | 25 | 15 | 32 | -1 | -1 | 30 |
| 4 40 312111 4 | 22 | 27 | 3 | 4 | 4 | 14 | 5 | 3 | 19 | 9 | 23 | 65 | 78 | 80 |
| 4 40 314112 4 | -1 | -1 | -1 | -1 | -1 | 28 | 13 | 4 | 25 | 11 | 40 | -1 | -1 | 30 |
| 4 40 314113 4 | -1 | -1 | 1 | 1 | 1 | 30 | 12 | 5 | 21 | 10 | 30 | -1 | -1 | 35 |
| 4 40 412111 4 | 30 | 35 | 3 | 5 | 6 | 15 | 6 | 4 | 20 | 10 | 23 | 75 | 100 | 75 |
| 4 40 414111 4 | 30 | 42 | 1 | 1 | 2 | 18 | 8 | 3 | 20 | 11 | 23 | 120 | 180 | 62 |
| 4 40 525111 4 | -1 | -1 | -1 | -1 | -1 | 30 | 12 | 5 | 22 | 10 | 27 | -1 | -1 | 40 |
| 4 40 111121 4 | 22 | 28 | 4 | 10 | 6 | 14 | 5 | 3 | 0 | 9 | 0 | 0 | 0 | 65 |
| 4 40 212111 4 | 30 | 35 | 3 | 3 | 4 | 15 | 7 | 3 | 21 | 10 | 23 | 70 | 90 | 78 |
| 4 40 112121 4 | 30 | 35 | 3 | 4 | 5 | 13 | 6 | 3 | 19 | 9 | 23 | 65 | 70 | 78 |
| 4 40 112131 4 | 30 | 35 | 3 | 2 | 4 | 14 | 8 | 4 | 21 | 9 | 23 | 65 | 75 | 75 |
| 4 40 111131 3 | 20 | 33 | 5 | 6 | 6 | 15 | 6 | 3 | 20 | 9 | 21 | 65 | 80 | 75 |
| 4 40 113131 4 | 30 | 35 | 3 | 4 | 5 | 15 | 7 | 3 | 17 | 9 | 22 | 80 | 120 | 75 |
| 4 40 214112 4 | 35 | 50 | 2 | 3 | 3 | 24 | 7 | 3 | 20 | 10 | 28 | 120 | 300 | 45 |
| 4 40 314111 4 | -1 | -1 | 1 | 2 | 3 | 18 | 8 | 3 | 19 | 10 | 20 | 120 | 300 | 45 |
| 4 40 214113 4 | -1 | -1 | -1 | -1 | -1 | 28 | 9 | 4 | 23 | 11 | 30 | -1 | -1 | 999 |
| 4 40 114112 4 | 35 | 50 | 1 | 1 | 2 | 26 | 8 | 3 | 22 | 11 | 27 | 120 | 300 | 44 |

I WAS A SECT. LDR. IN KOREA FOR 1 YR. AND NOW I HAVE BEEN A SECT. LDR IN GERMANY FOR 6 MONTHS.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE :E-6 | | SQUAD LEADER : | 76 | 6 |
| MOS :11H50 | | GUNNER : | | |
| IN ARMY :10YR AND | | LOADER : | | |
| IN ARTILLERY : 6YR WHEN | | DRIVER : | | |
| COMBAT :N | | | | |
| ANTII. COMBAT:N | | #SUPERVISED :>50 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

IMPROVED TOW VEHICLE CREW

| CREW | MOS | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: SQUAD LEADER: DFSIG IGI AZ | SQUAD LEADER: CD DRIVER | GUNNER: SET ERECT SLEW | GUNNER: ACQUIR ARM FIRE | DR: START DRIVE STOP | LOADER: RELOAD | LOADER: READY RACK | GUNNER: TARGET TRACKING ACCURACY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RESP | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME, SEC | | | | 15 | 20 | 10 | 160 | 30 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 4 | 41 | 411111 | 4 | 30 | 30 | 4 | 60 | 8 | 10 | 0 | 0 | 0 | 0 | 0 | 80 | 90 | 0 |
| 4 | 41 | 515431 | 4 | 45 | 60 | 3 | 30 | 5 | 15 | 6 | 10 | 40 | 12 | 30 | 150 | 150 | 60 |
| 4 | 41 | 114111 | 4 | 30 | 45 | 3 | 30 | 5 | 12 | 6 | 0 | 0 | 9 | 0 | 70 | 70 | 0 |
| 4 | 41 | 515311 | 4 | 45 | 60 | 3 | 30 | 5 | 15 | 6 | 10 | 60 | 14 | 30 | 150 | 150 | 60 |
| 4 | 41 | 213111 | 4 | 20 | 30 | 3 | 30 | 5 | 10 | 6 | 0 | 20 | 12 | 0 | 80 | 80 | 0 |
| 4 | 41 | 413111 | 4 | 10 | 25 | 4 | 45 | 5 | 10 | 0 | 0 | 19 | 9 | 0 | 60 | 80 | 0 |
| 4 | 41 | 311111 | 4 | 0 | 0 | 6 | 90 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 0 |
| 4 | 41 | 313111 | 4 | 0 | 0 | 6 | 90 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 0 |
| 4 | 41 | 515223 | 4 | 60 | 90 | 1 | 10 | 1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 41 | 414112 | 4 | 25 | 30 | 3 | 20 | 3 | 12 | 10 | 8 | 20 | 10 | 25 | 90 | 90 | 60 |
| 4 | 41 | 535111 | 4 | 25 | 30 | 3 | 18 | 3 | 10 | 6 | 4 | 20 | 10 | 25 | 90 | 90 | 60 |
| 4 | 41 | 112111 | 4 | 20 | 28 | 6 | 90 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 0 |
| 4 | 41 | 514111 | 4 | 30 | 30 | 4 | 60 | 6 | 10 | 0 | 0 | 20 | 10 | 0 | 90 | 90 | 0 |
| 4 | 41 | 313112 | 4 | 30 | 30 | 3 | 70 | 8 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 0 |
| 4 | 41 | 315113 | 4 | 60 | 90 | 2 | 20 | 2 | 20 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | 10 |
| 4 | 41 | 513111 | 4 | 999 | 999 | 5 | 100 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 0 |
| 4 | 41 | 123111 | 4 | 0 | 0 | 6 | 90 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 65 | 65 | 0 |
| 4 | 41 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 41 | 113111 | 4 | 0 | 0 | 8 | 140 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 41 | 521111 | 4 | 0 | 0 | 8 | 145 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 41 | 113121 | 4 | 20 | 25 | 6 | 160 | 20 | 10 | 6 | 4 | 20 | 9 | 0 | 70 | 70 | 0 |
| 4 | 41 | 211111 | 4 | 20 | 30 | 8 | 150 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 0 |
| 4 | 41 | 224111 | 4 | 20 | 25 | 7 | 145 | 16 | 10 | 6 | 4 | 20 | 9 | 0 | 70 | 70 | 0 |
| 4 | 41 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 41 | 312111 | 4 | 0 | 0 | 7 | 145 | 20 | 10 | 5 | 3 | 19 | 9 | 0 | 75 | 75 | 0 |
| 4 | 41 | 314112 | 4 | 30 | 70 | 4 | 90 | 10 | 12 | 6 | 4 | 30 | 14 | 35 | 90 | 90 | 50 |
| 4 | 41 | 314113 | 4 | 30 | 30 | 4 | 90 | 10 | 12 | 6 | 4 | 30 | 14 | 35 | 90 | 90 | 50 |
| 4 | 41 | 412111 | 4 | 20 | 25 | 6 | 150 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 0 |
| 4 | 41 | 414111 | 4 | 20 | 30 | 9 | 140 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 70 | 70 | 0 |
| 4 | 41 | 525111 | 4 | 60 | 90 | 2 | 20 | 2 | 20 | 8 | 6 | 35 | 14 | 35 | 120 | 120 | 15 |
| 4 | 41 | 111121 | 4 | 0 | 0 | 20 | 170 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 41 | 212111 | 4 | 0 | 0 | 10 | 170 | 10 | 10 | 6 | 4 | 20 | 90 | 0 | 70 | 70 | 0 |
| 4 | 41 | 112121 | 4 | 0 | 0 | 20 | 160 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 41 | 112131 | 4 | 30 | 40 | 5 | 90 | 3 | 10 | 8 | 6 | 30 | 14 | 0 | 120 | 120 | 60 |
| 4 | 41 | 111131 | 4 | 20 | 30 | 8 | 150 | 17 | 10 | 8 | 6 | 30 | 14 | 30 | 70 | 70 | 80 |
| 4 | 41 | 113131 | 4 | 0 | 0 | 10 | 170 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 41 | 214112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 | 41 | 314111 | 4 | 30 | 40 | 10 | 90 | 6 | 10 | 6 | 4 | 30 | 14 | 30 | 90 | 90 | 30 |
| 4 | 41 | 214113 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 41 | 114112 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |

## Appendix B

## DEMOGRAPHIC DATA

This appendix contains the complete returns from the demographic data sheets at the front of each questionnaire, and is divided into two parts. The first lists the fill-in-the-blank answers to explicit questions. The second contains the essay responses to the question: "Briefly describe your military duties during the past year," plus any remarks written anywhere in the questionnaire.

Preceding page blank

## CREW 1: GUN CREW

| RESP | GRADE | RANK | MOS | IN ARMY YR | IN ARMY MO | IN ARTIL YR | IN ARTIL MO | COMBAT? | COMBAT WHEN | ART COMBAT? | ART COMBAT WHEN | CHIEF OF SECTION WHEN MO | CHIEF OF SECTION WHEN YR | CHIEF OF SECTION HOW LONG YR | CHIEF OF SECTION HOW LONG MO | GUNNER WHEN MO | GUNNER WHEN YR | GUNNER HOW LONG YR | GUNNER HOW LONG MO | ASSIST GUNNER WHEN MO | ASSIST GUNNER WHEN YR | ASSIST GUNNER HOW LONG YR | ASSIST GUNNER HOW LONG MO | LOADER WHEN MO | LOADER WHEN YR | LOADER HOW LONG YR | LOADER HOW LONG MO | MEN SUPER-VISED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 101 | F-5 | | 13B20 | 3 | | 3 | | N | | N | | 10 | 82 | | 2 | | 81 | | 10 | | 81 | | 4 | | | | | 5 |
| 102 | E-5 | | 13B20 | 6 | | 8 | | N | | N | | 10 | 81 | 1 | | | 78 | 3 | | | 75 | 5 | | | 74 | 1 | | 5 |
| 103 | F-5 | | 13B20 | 3 | 6 | | * | N | | N | | | 82 | | 4 | | 81 | | 5 | | 81 | | 6 | | 80 | 1 | 4 | 5 |
| 104 | F-6 | | 13B30 | 10 | | 10 | | | | N | | | 75 | 8 | | | | | | | | | | | | | | 10 |
| 105 | E-5 | | 13B20 | 4 | 3 | 4 | 3 | N | | N | | 6 | 82 | | 1 | 11 | 80 | 2 | 1 | | | | | | | | | 20 |
| 106 | F-5 | SGT | 13B20 | 10 | | 10 | | N | | N | | | 78 | 4 | | | | | | | | | | | | | | 5 |
| 107 | E-5 | SGT | 13B20 | 5 | | 5 | | N | | N | | 10 | 82 | 1 | | | 81 | | 8 | | 79 | 2 | | | 78 | 1 | 4 | 10 |
| 108 | F-5 | | 13BH5 | 3 | 10 | 3 | 10 | N | | N | | | | | | 8 | 82 | | 4 | | | | | | | | | 5 |
| 109 | F-6 | | 13B3PU | 12 | | 10 | | Y | 70 72 | Y | 70 72 | | 70 | 10 | | | | | | | | | | | | | | 10 |
| 110 | E-5 | | 13B20 | 6 | | 6 | | N | | N | | | | 3 | * | | | | | | | | | | | | | 10 |
| 111 | F-5 | | 13B20 | 4 | 2 | 4 | 2 | N | | N | | | | 1 | 8 | | | | 4 | | | | 2 | | | 1 | | 20 |
| 112 | F-5 | | 13B20 | 3 | 3 | 3 | 3 | N | | N | | | | | | 6 | 82 | | 5 | | | | | | | | | 5 |
| 113 | E-5 | | 13B20 | 8 | | 8 | | N | | N | | | 79 | 3 | | | 78 | 1 | | | 76 | 2 | | | 74 | 1 | 6 | 5 |
| 114 | F-5 | | 13B20 | 4 | | 4 | | N | | N | | | | 2 | 4 | | | 1 | | | | 1 | | | | | | 10 |
| 115 | F-6 | | 13B30 | 8 | | 4 | | N | | N | | 1 | 82 | | 10 | | | | | | | | | | | | | 10 |
| 116 | F-5 | | | 3 | 6 | 4 | 6 | N | | N | | 4 | 82 | | 8 | | 81 | 1 | | | 81 | 1 | | | 79 | | 3 | 2 |
| 117 | E-4 | ASG | | 2 | 8 | 2 | 8 | N | | N | | | | | 2 | | | | 1 | | | | 7 | | | | | 2 |
| 118 | F-6 | SSG | | 10 | | 10 | | N | | N | | | 74 | 8 | | | 73 | 1 | | | 73 | | | | 72 | 1 | | 10 |
| 119 | F-7 | SFC | 13B | 14 | 11 | 14 | 11 | Y | 68 69* | Y | 68 69* | | 71 | 9 | | | 68 | 1 | | | 68 | 1 | | | 68 | 1 | | 10 |
| 120 | F-6 | | 13B3C | 9 | | 8 | | N | | N | | | 79 | 4 | | | 78 | 1 | | | 76 | 1 | | | 75 | 1 | | 50 |
| 121 | F-5 | | 13B | 3 | 9 | | | N | | N | | | | | 6 | | 81 | 1 | | | | | 5 | | | | | 10 |
| 122 | F-5 | SGT | 13B20 | 3 | 4 | 3 | 4 | N | | N | | | 81 | 1 | 2* | | 82 | | 1 | | | | | | | | | 10 |
| 123 | F-5 | | 13B | 13 | | | | Y | 69 | Y | 69 | | | | 5 | | | | | | | | 1 | | | | 1 | 10 |
| 124 | F-5 | | 13B20 | 6 | 8 | 6 | | N | | N | | 10 | 82 | | | | | 2 | | | | 1 | | | | | | 5 |
| 125 | F-5 | | 13B20 | 4 | | 4 | | N | | N | | | 80 | | 7 | | 81 | 1 | | | 79 | 2 | 6 | | | | | 5 |
| 126 | F-6 | | 13B | | * | 2 | | Y | * | N | | | 82 | 1 | | | | | | | | | | | | | | 5 |
| 127 | F-5 | | 13B | 4 | 1 | 4 | 1 | N | | N | | 6 | 82 | | 6 | 3 | 81 | 1 | 3 | 6 | 80 | | 9 | 3 | 79 | | 6 | 20 |
| 128 | E-5 | | 13B | 3 | | | | N | | N | | 10 | 82 | | 2 | | | 1 | * | | | | | | | | | 5 |
| 129 | E-5 | | 13B20 | 4 | | 4 | | N | | N | | | | | | 9 | 80 | | * | 9 | 80 | | * | | | | | 5 |
| 130 | F-7 | | 13B40 | 16 | | 13 | | N | | N | | | 72 | 4 | | | | | | | | | | | | | | 10 |
| 131 | F-7 | | 13B40 | 15 | | 12 | | N | | N | | | 73 | 4 | | | 70 | 8 | | | 69 | 1 | | | 68 | 1 | | >50 |
| 132 | F-5 | | 13B | 3 | 4 | 3 | 4 | N | | N | | | | | | 7 | 82 | | 4 | | | | * | | | | * | 5 |
| 133 | F-5 | | 13B | 3 | | 3 | | N | | N | | 10 | 82 | | 3 | | 82 | | | | 81 | | | | 80 | 1 | | 5 |
| 134 | F-5 | | 13B20 | 2 | 6 | 2 | 6 | N | | N | | 9 | 81 | 1 | 2 | 5 | 81 | | 5 | 2 | 81 | | 4 | | | | | 20 |
| 135 | F-5 | | 13B20 | 2 | 6 | 2 | 6 | N | | N | | | | | | | | | | | | | | | | | | 20 |
| 136 | F-5 | | 13B20MS | 4 | 6 | 4 | 6 | N | | N | | | | | | | | | | | | | | | | | | 20 |
| 137 | F-6 | | 13B | 8 | | 7 | 6 | N | | N | | | 79 | 3 | | | 77 | 2 | | | 76 | 1 | | | 75 | 1 | | 5 |
| 138 | F-5 | | 13B30 | 3 | | 3 | | N | | N | | 9 | 82 | | 2 | 6 | 81 | 1 | 3 | | | | | | | | | 10 |
| 139 | F-6 | | 13B | 7 | | 7 | | Y | 70 71 | N | | | 76 | 5 | | | 76 | | 7 | | 75 | | 3 | | 75 | | 4 | 10 |

## CREW 1: DUTY DESCRIPTION

101 I HAVE BEEN A CHIEF OF SECTION FOR THE LAST 2 MONTHS ON 155 MM M109 A3 HOW. PRIOR TO THAT I WAS A GUNNER ON M110A3 203MMHOW.
102 TO SUPERVISE AND TRAIN THE MEN AS IF IT WERE AN ACTUAL COMBAT SITUATION AND HOW TO PROTECT THEMSELVES AND THE EQUIPMENT AND WHAT TO DO IN CERTAIN SITUATIONS AND THERE JOBS IN COMBAT
103 I PLACE IN A POSITION AS GUNNER OF A SECTION LEARNING TO GUN THEM AT THE SAME TIME LEANING TO CHIEF THE SECTION. * SOME
104 SUPERVISE AND TRAIN THE PERSONNEL IN MY SECTION AND BATTERY, PERFORM DUTIES AS A SECTION CHIEF.
105
106 CHIEF OF SECTION I SUPERVISED AN GIVE TRAINING TO MY SECTION.
107 I HAVE TO SUPERVISE MY PEOPLE IN THE MORNING, WICH IS 7 PEOPLE, IN CLEANING UP THEIR ROOM AND GETTING READY FOR THE JOB. I HAVE A M110A2 HOWITZER,8 INCH, THAT I HAVE TO MAKE SURE THE PROPER PREVENTIVE MAINTENANCE + CHECKS AND SERVICES ARE DONE. I HAVE TO BE ACCOUNTABLE FOR MY TOOLS AND SERVICABILITY
108 I HAVE BEEN A ASEMBLER IN SPEAIL WEAPON FOR LAST YEAR
109 AS CHIEF OF SECTION MY DUTIES HAS BEEN TO TRAIN MY MEN TO DO THEIR ASSIGN TASK SO THAT THE UNIT MAY DO ITS MISSION ALSO TO TRAIN THEN IN THE BEST MEANS POSSIBLE IN THEIR ASSIGN MOS.
110 I AM A CHIEF OF SECTION OF 155 SP. M109A3 AND THAT IS WHAT I HAVE DONT AND SUGERT TRATNA SODIER. * C 3/18FA
111 CHIEF OF SECTION + SPECIAL WEAPONS TEAM CHIEF, SUPERVISING A 10 MAN GUN CREW + A 4 MAN SPECIAL WPNS. TEAM.
112 I'VE BEEN A 13B ALL OF MY ARMY CAREER. I'M ALSO IN SPECAIL WEAPONS AND HAVE BEEN FOR THE PAST 3 YEARS.
113 DURING THE PAST YEAR I HAVE BEEN THE CHIEF OF A M109A3S.P. AND HAV I HAD ANYWERE FROM 3 TO 8 MEN WORKING FOR ME.
114
115 SUPERVISING THE PEOPLE IN MY SECTION, KEEPING A SAFE GUN
116 HAS BEEN SECTION CHIEF SINCE 1982
117 I HAVE BEING A NUCLEAR ASSEMBLER AND READEN ON THE SPECIAL WEAPONS SECTION (8* HOWT.) ALSO I BEEN BTRY NBC NCO, AND ALTERNATE ENLISTED NBC NCO.
118 DETACHMENT SGT. OPERATIONS NCO, GUNNERY SGT. CHIEF OF SECTION, RE-ENLISIMENT NCO.
119 MY DUTIES WERE NBC NCO IN GERMANY AND SECURITY STIF NCO ALONG W/GERMAN SOLDIERS CUSTODIAL GUARDS FOR 155 NUKE RD. TRANSFER HERE TO FT. SILL BECAME CHIEF FIRING BTRY FOR 2/12IH. * VIETNAM
120 SUPERVISE THE MAINTENANCE AND ACCOUNTABILITY OF SEC. EQUIP AND TRAINING OF PERSONNEL BOTH INDIVIDUAL AND COLECTIVE TRAINING. SUPPORT AND ENCOURAGE CAREER DEVELOPMENT OF SUBORDINATE SOLDIERS.
121 DURING THE PAST YEAR I HAVE BEEN AMMO SECTION CHIEF AND HOWITZER SECTION CHIEF
122 I WAS AN ASSEMBLER ON THE 155 SYSTEM IN NORTHERN GREECE.I WAS AT TH E 18TH USAFAD.I PCS'ED TO FT. SILL WHERE I AM NOW A GUNNER ON A SECTION * OFF AND ON
123 BEEN ASS. GUNNER AND #1 MAN THEN WENT TO CHIEF OF SECTION OF AMMO.
124 I HAVEN'T REALLY HAD ANY. MOST OF THE TIMES THIS PAST YEAR I HAVE BEEN MOVED AROUND A LOT.
125 MY MILTIARY DUTIES DURING THE PAST YEAR WAS BN AMMO AGENT RESPONSIBLE WHAT TO PICK UP AND DIVERLY AMMO TO ALL THE BATTERY IN THE BN.
126 SECTION CHIEF 155MM SP, GUNNERY SGT , AMMO P/L. FT. SILL * AT THE AGE OF 18 ** VIETNAM
127 I WAS A GUNNER IN A 8 INCH UNIT IN GERMANY AND THEN IN FEBUARY 1982 I PCS TO FT. SILL AND I WAS A GUNNER UNTIL 2 JUNE 1982 THEN I BECAME SECTION CHIEF ON A 155MM HOWITZER
128 GUNNER, SECTION CHIEF * 2 MONTHS
129 NONE * .5 MONTH
130 I WAS ASSIGNED AS 1SG OF A 155 MM HOW BATTERY C-BTRY 2/37 FT. SILL OK. 73503
131 CHIEF OF FIRING BTRY. SUPERVISE AND TRAIN CHIEF OF SECTION TO BE LEADER, TO DEVELOPED THE YOUNG SOLDIER OF TOMMORROW, HOW TO SURVIVE IN COMBAT.
132 A YEAR AGO I WAS STATIONED IN TURKEY. ALL OF MY DUTIES THERE WERE SPECIAL WEAPONS RELATED. I WAS ASSIGNED HERE THE END OF JUNE. * OCCASIONALLY
133 I HAVE BEEN A OPERATOR OF AN 155 SP HOWITZER AS WELL AS A GUNNER AND CHIEF OF SECTION I ALSO SERVED IN WEST BERLIN GERMANY FOR 2 YEARS.
134 SECTION CHIEF, NBC NCOIC FOR 3/18 FA A BTRY, I HAVE BEEN WITH 3/18 FOR 2 1/2 YRS AND HAVE WORKED WITH NBC, AND OTHER MAJOR SCHOOLS.
135 I WAS IN AN AMMO SECTION DRIVING A 5-TON TRUCK AND CARRYING OUT NORMAL DUTIES, SINCE I MADE E-5 4 MONTHS AGO I AM AN AMMO AGENT. MAKING SURE THE FIRING BATTERIES GET AMMO. FT. SILL IS THE ONLY PLACE I'VE BEEN SINCE IN THE ARMY AND HAVE NEVER BEEN ON A GUN.
136 CBR, AND SPECIAL WEAPONS, ATTENDED BNCOC/CA
137 BN. AMMO SGT. HERE AT FT. SILL
138 KOREA 80-81,MARCH/ ARMY TAMMS 80, I WAS PROMOTED TO CPL. FROM PFC ON JUNE 81, PNCOC AUG 81,BNCOC OCT. 81,GUNNER FT. RILEY KA.
138 NOV. 81, CHIEF OF SECTION SEPT. 82, OCT.82 SGT. INSTRUCTOR
* NOT 155 BUT M110A2 8-INCH
139 SECTION CHIEF ON 155 SP, ANCOC-CA STUDENT, S W CHIEF, SECTION CHIEF ON 155 SP

## CREW 2: FDC CREW

| RESP | GRADE | RANK | MOS | IN ARMY YR | IN ARMY MO | IN ARTIL YR | IN ARTIL MO | COMBAT? | COMBAT WHEN | ART COMBAT? WHEN | FDC NCO WHEN MO | FDC NCO WHEN YR | FDC NCO HOW LONG YR | FDC NCO HOW LONG MO | COMPUTER WHEN MO | COMPUTER WHEN YR | COMPUTER HOW LONG YR | COMPUTER HOW LONG MO | MEN SUPER-VISED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 201 | F-7 | | 13C4T | 15 | | | 6 | Y | 70 72 | N | | | | | 10 | 82 | | 0 | 10 |
| 202 | F-3 | | 13F | | 9 | | 9 | N | | N | | | | | | | | | 10 |
| 203 | F-4 | SP4 | 13F10 | 2 | 4 | 2 | 4 | N | | N | | 81 | | 2 | | | | 7* | 10 |
| 204 | F-4 | | 13F10 | 5 | 2 | 5 | 2 | N | | N | 1 | 78 | 3 | 1 | 2 | 81 | 1 | 9 | 5 |
| 205 | F-4 | | 13C | 2 | 0 | 2 | 4 | N | | N | | | | | 10 | 82 | 2 | | 5 |
| 206 | F-2 | | F.D.SPEL | | 10 | | 6 | N | | N | | | 0 | 0 | | | 0 | 0 | 5 |
| 207 | F-5 | | 13C | 6 | | 2 | | N | | N | | | | | | 81 | 1 | | 5 |
| 208 | F-4 | SP4 | 13F | 2 | 6 | 2 | 6 | N | | N | | 80 | 1 | | | 81 | 1 | 6 | 5 |
| 209 | F-4 | | 13F10 | 2 | 5* | 2 | 5* | N | | N | | 80 | 2 | 5* | | 80 | 2 | 5* | 5 |
| 210 | F-6 | | 13C30 | 5 | | 5 | | N | | N | | 78 | | 6 | | 78 | 4 | | 10 |
| 211 | F-1 | | 13F10 | 1 | [illegible] | 1 | 2 | N | | N | 7 | 82 | | * | | | | * | 5 |
| 212 | F-5 | | 13F20 | 3 | 6 | 3 | 6 | N | | N | | 81 | | 5 | | 82 | | 4 | 5 |
| 213 | F-5 | | 13C20 | 4 | | 4 | | N | | N | | 79 | 1 | | | 79 | 1 | * | 5 |
| 214 | F-6 | | 13C30 | 13 | | 7 | | Y | 69 71 | N | | 75 | 1 | | | 76 | 4 | | 10 |
| 215 | F-4 | | 13C10 | 5 | 6 | 2 | 6 | N | | N | | | | | 1 | 81 | 2 | | 5 |
| 216 | F-5 | | 13C20 | 5 | 6 | 4 | 6 | N | | N | | | | * | | | | * | 10 |
| 217 | F-6 | | 13F30 | 8 | 6 | 8 | 6 | N | | N | | | | | | 74 | 2 | | 2 |
| 218 | F-7 | SFC | 13C40 | 16 | | 16 | | Y | 71 | N | | 64 | 2 | | | 66 | 10 | | >50 |
| 219 | F-4 | SP4 | 13C10 | 7 | | | 11 | N | | N | | | 0 | 0 | | | 0 | 0 | >50 |
| 220 | F-5 | | 13F20 | 4 | | 4 | | N | | N | | 78 | | | | 79 | | | 10 |
| 221 | F-5 | | 13F | 10 | | 1 | | N | | N | | | 0 | 0 | | | 0 | 0 | 5 |
| 222 | F-5 | | 13C20 | 5 | 2 | 5 | 2 | N | | N | 12 | 77 | 2 | | 11 | 78 | 1 | | 2 |
| 223 | F-4 | ASG | 13F20 | 2 | | 2 | | N | | N | | 80 | | 5 | | 81 | | 6 | 5 |
| 224 | F-4 | SP4 | 13F10 | 2 | | 2 | | N | | N | | | 2 | | | | | 6 | 5 |
| 225 | F-3 | SP4 | 13F10 | 2 | 1 | 2 | 1 | N | | N | 10 | 81 | | 5 | 1 | 82 | | 8 | 5 |
| 226 | F-6 | | 13C30 | 12 | 0 | 9 | | N | | N | 6 | 82 | | 3 | 6 | 82 | | 3 | 5 |
| 227 | F-6 | SSG | 13F30 | 5 | | 5 | | N | | N | | 77 | | * | | 78 | 2 | | 10 |
| 228 | E-7 | | 13C4M | 13 | | 13 | | Y | 76 | N | | 72 | 3 | | | 75 | 5 | | >50 |
| 231 | F-4 | SP4 | 13F | 2 | 6 | 2 | | N | | N | | | | | 5 | 82 | | 1 | 2 |
| 232 | F-4 | | 13F10 | 2 | 6 | 2 | 6 | N | | N | | | | | | 81 | | | 5 |
| 233 | F-3 | | 13F10 | 1 | | 1 | | N | | N | | | | | | | | | 5 |
| 234 | F-4 | | 13F | 1 | | 1 | | N | | N | | | 0 | 0 | | | 0 | 0 | 5 |
| 235 | F-5 | | 13F | 3 | | 3 | | N | | N | | | 1 | | | | | | 5 |
| 236 | F-5 | SP5 | 13E20 | 4 | | 4 | | N | | N | 6 | 81 | 1 | | | | | | 5 |
| 237 | F-4 | | 13F10 | 2 | 6 | 2 | 6 | N | | N | | 82 | | 6 | | 82 | | 6 | 5 |
| 238 | | PFC | 13F10 | 3 | | 3 | | | | | | 80 | | 6 | | 80 | 2 | 6 | 10 |
| 239 | F-4 | | 13F10 | 2 | 6 | 2 | 6 | N | | N | | | | | | 81 | 1 | | 2 |

# CREW 2: DUTY DESCRIPTION

201 RECLASSIFIED INTO ARTILLERY: MY DUTIES AS FDC NCOIC OF A BRIGADE TACFIRE. SUPPORT OF 3N ARTEP'S
202 FINISHED AIT IN JULY BEEN WITH MY PRESENT UNIT APPROX. 4 MONTHS WORKED AS RTO UP UNTIL NOW.
203 POLICE CALL, FORMATION, PULLING GUARD-SATB NAID GUARD MOTOR POOL GUARD , VEHICLE MAINT, DRILL AND CEREMONY , SQT TEST , P.T. TEST- MOS WORK. * LAST 7 MONTHS
204 WORKED IN BATTALION FDC AS A BATTERY COMPUTER. PRESENTLY JUST COMPLETED A STANCE OF ACTING SECTION CHIEF AND PRESENTLY A BATTERY COMPUTER IN A BATTERY FDC.
205 DIRECTION. OF FIRE FOR BATTALION. MAINTANANCE: SECTION. EQUIPMENT-VEHICLES : PHYSICAL ENVIRONMENT; CUTTIG GRASS,SWEEPING ASPHALT STAYING OUT OF LEGAL/FINANCIAL TROUBLES
206 I'VE WORKED ON CHARTS, DRIVE THE 577 VEHICLE THAT WE TAKE OUT ON FIELD MISSIONS , AND I HAVE BEEN THE RTO OR RADIO TRANSMITTER OPERATOR.
207 TACFIRE COMPUTER SPECIALIST, ASST SECTION CHIEF, OVERSEES MAINT ON ALL VEHICLES RELATED TO TACFIRE UNIT, AND TRAINING ON ALL SECTION PERSONNEL
208 FDC RELATED DUTIES AS NCO VCO COMPUTER, NBC ASSISTANT.
209 MY DUITES AS A FDC MEN HAVE RANGED ANYWHERE FROM 577A1 (TRACK) MAINTANCE TO COMPUTER; RTO; FDC NCO, FDC VCO, TO CHEMICAL SURVEY TEAM. * OFF AND ON
210 IN THE PAST YEAR I HAVE SUPERVISED THE OPERATION OF THE BTRY FDC AND BOC, WHILE ALSO OPERATING AS THE CHIEF COMPUTER.
211 1) BE AT APPOINTED PLACE OF DUTY ON TIME 2) TO WORK IN THE 13E10 MOS. 3) PULL C.Q. 4) WORK ON DETAILS 5) * 3 DAYS
212 I'M PRIOR SERVICE AND CAME IN A DIFFERENT MOS, LAST WAS 15D10. I'VE BEEN WORKING MY PRESENT MOS A LITTLE OVER A YEAR AND CAME TO BE COMPUTER.
213 I HAVE BEEN TACFIRE OPERATION SPECALIST, ALSO AS ADDITIONAL DUTY I HAVE BEEN BN SCHOOL, A & R AND TNG NCO. A ALTERNATED
214 FOR THE LAST YEAR I HAVE ACTED AS FIRE CONTROL NCO AND SUPERVISED ALL PERSONELL THAT WORKS UNDER ME.
215 SUPPORTING BN FDC IN TARGETING AND ACCURACY OF LANDING A ROUND ON TARGET/ HE / NUC AND VARIOUS COMBINATIONS OF ROUNDS. VOICE AND COMMAND OPERATIONS FOR ENCYRPT MESSAGES.
216 HEAVY MAINTENANCE ON VEHICLES, TRAINING FOR AN ARTEP, SUPPORTING STR POWER UP THE SHELTER, MAINTAIN HE CCU, SET UP, TURN DOWN THE NET ! MAINTAIN 5 TON GENERATOR. * YES
217 BDE NUCLEAR SURITY NCO. HELP MY BDE NUCLEAR UNITS TO PASS NSAV,NSI,TPI,IVI'S.
218 CURRENTLY WORKING AS BN FDC CHIEF IN A TACFIRE UNIT. I WAS MANUAL FDC 14 YRS PREVIOUS TO THIS. HAVE WORK EVERY LEVEL FROM BTRY TO DIVARTY USUALLY AS CHIEF OF FDC.
219 I WORKE WITH TACFIRE AND VEMED I AM NOT IN A POSTOSION TO SUPERVISE OR WORKE WITH MANUEL FDC. I HAVE WORKED AS AN RTO AND GEN MOVE.
220 I HAVE BEEN A SUPERVISER FOR A FDC SECTION FOR THE PAST YEAR
222 WORKING IN S-3 TRAINING SECTION AS PAPER-PUSHER. FIELD DUTY AS TACFIRE VEMED OPERATOR, ALSO M577 COMMAND POST DRIVER.
223 I HAVE BEEN SECTION CHIEF IN FDC FOR 4 MONTHS AND BEFORE THAT I WAS THE CHIEF COMPUTER
224 WORKING IN FDC IN KOREA AND THE USA. USING BOTH THE 198 AND 109A3 HOWITZERS.I HAVE LATELY BEEN WORKING AS COMPUTER FOR C 2/3, FA DURING FTX'S AND ALSO WAS COMPUTER DURING XM825 SMOKE TEST FOR THE U.S. ARMY FIELD ARTILLERY BOARD.
225 I WORKED IN AN FDC SECTION UNTIL I RECIEVED A PREMANT, PROFILE,KEEPING ME FROM GOING TO THE FIELD. NOW I AM WORKING AS CLERK/ TYPIST IN THE S-3 SECTION.
221 NBC NCO AND ORDERLY ROOM CLERK PRIOR TO TAKING OVER FDC SECTION
227 FDC CHIEF/SIP NCO/A & P NCO AND CCC NCO. MY TIME IS SPENT IN ONE OF THESE AREA'S ALMOST ALL OF THE TIME! * 6-8 MONTHS
228 NOV 81-FEB 82 HHB 1SG FEB 82-NOV 82 OPN SGT
229
230
231 OPERATIONS SPECIALIST AT FORT SILL, IN GERMANY I WAS A CHART OPERATOR, COMPUTER, AND TRACK DRIVER
232 I WAS SECTION CHIEF. I FOLLOWED OR LOOKED OVER AND TAUGHT MY MEN THE CORRECT WAYS TO COMPUTE DATA AND I FIGURED DATA FOR ALL TYPE OF ROUNDS WITH A 109A2 FIRING BATTERY.
233 CLERK ( AMMO AND TRAINING AND USP ASST) TRAINING SCHEDULES AND AMMO FORECASTING AND RECORDS FOR THE BDE. (ACTIVLY ENVOLVED IN TACFIRE METT TRAINING)...
234 CLERK- SO-FOR
235 RESPONSIBLE FOT THE SUPERVISION, TRAINING AND THE FUNCTION OF THE FDC
236 CHART OPERATOR TROOP OVER SEFER WHEN CHIEF IS NOT AROUND
237 WELL FOR THE LAST 7 MONTHS I HAVE BEEN LEARNING AND STUDYING TACFIRE
238 HAVE BEEN TRAINING IN DESERT WARFARE AND TACFIRE. AND HAVE BEEN SUPPORTING THE OFFICER'S ADVANCED TRAINING COURSE, WITH MY EQUIP
239 WELL HERE AT FORT SILL, I HAVE HAD VERY LITTLE TRAINING IN MY MOS 13E10, LUCKLY I WENT TO GERMANY AFTER BASIC, BUT I'VE BEEN DOING PRIMARY CHART OPERATOR ANYTIME WE'RE IN THE FIELD HERE AND METS.

# CREW 3: TANK CREW

| RESP | GRADE | RANK | MOS | IN ARMY MO | IN ARMY YR | IN ARTIL YR | IN ARTIL MO | COMBAT? | COMBAT? WHEN | TANK COMBAT? | TANK COMBAT? WHEN | TANK COMMANDER WHEN MO | TANK COMMANDER WHEN YR | TANK COMMANDER HOW LONG YR | TANK COMMANDER HOW LONG MO | GUNNER WHEN MO | GUNNER WHEN YR | GUNNER HOW LONG YR | GUNNER HOW LONG MO | LOADER WHEN MO | LOADER WHEN YR | LOADER HOW LONG YR | LOADER HOW LONG MO | DRIVER WHEN MO | DRIVER WHEN YR | DRIVER HOW LONG YR | DRIVER HOW LONG MO | MEN SUPER-VISED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 301 | F-6 | | 19F3X | 8 | | 8 | | N | | N | | | | * | | | | * | | | | * | | | | * | 20 |
| 302 | F-6 | | 19F3X | 14 | | 5 | | N | | N | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | 20 |
| 303 | E-6 | | 19F3XBR | 6 | | 8 | | N | | N | 7 | 77 | 1 | 6 | 3 | 75 | 2 | 3 | | | | | | | | | >50 |
| 304 | E-6 | SSG | 19F | 7 | | 7 | | N | | N | | 77 | 2 | 6 | | 76 | 1 | | | | | | | | | | >50 |
| 305 | F-6 | SSG | 19F3P | 13 | 10 | 13 | 10 | N | | N | | 71 | 11 | | | | 0 | 0 | | 70 | | | | 70 | | | >50 |
| 306 | F-6 | SSG | 19F30CS | 9 | | 9 | | N | | N | | 79 | 3 | | | 78 | 1 | | | | | | | 73 | 6 | | >50 |
| 307 | F-6 | | 19F3CS | 8 | | 8 | | N | | N | | 77 | 3 | | | 75 | 2 | | | 74 | | 3 | | | | | 10 |
| 308 | F-7 | SFC | 19F4YBR | 13 | | 7 | | Y | 69 | N | | 76 | 6 | | | 75 | 1 | | | | | * | | | | * | >50 |
| 309 | F-6 | | 19F | 9 | | 5 | | N | | N | | 79 | 2 | | | 78 | 1 | | | | | | | | | | >50 |
| 310 | F-6 | | 19F30 | 8 | | 8 | | N | | N | 10 | 82 | 3 | | | 77 | 2 | | | 76 | 1 | | | 75 | 1 | | 20 |
| 311 | F-6 | | 19F30 | 10 | | 10 | | N | | N | | 77 | 5 | | | 75 | 1 | | | 73 | 2 | | | 73 | 2 | | >50 |
| 312 | | SSG | 19F | 9 | 8 | 9 | | N | | N | | 77 | 1 | | | 75 | 2 | | | 75 | 2 | | | 75 | 2 | | 20 |
| 313 | F-6 | | 19F30 | 10 | | 10 | | N | | N | | | 6 | | | | 1 | | | | 1 | | | | 2 | | 50 |
| 314 | F-6 | | 19F3CS | 9 | | 9 | | N | | N | | 77 | 6 | | | 76 | 1 | | | 74 | 1 | | | 75 | 1 | | >50 |
| 315 | F-6 | | 19F30 | 8 | 6 | 8 | 6 | N | | N | | 76 | 5 | | | 75 | 1 | | | 74 | 1 | | | 74 | 1 | | 50 |
| 316 | | | 19E30 | 7 | | 7 | | N | | N | | 77 | 5 | | | 75 | 2 | | | | | | | | | | 20 |
| 317 | F-6 | SGP | 19E | 8 | | 8 | | N | | N | | | 6 | | | 74 | 1 | | | | | | | | | | 20 |
| 318 | F-7 | | 19F4H | 13 | 6 | 7 | 6 | Y | 68 69 | N | | | 5 | 6 | | | 2 | | | | | | | | | | 50 |
| 319 | F-6 | SSG | 19F3CS | 9 | | 9 | | N | | N | | 76 | 6 | | | 74 | 1 | | | 73 | 1 | | | | | | 50 |
| 320 | F-6 | | 19F3HBR | 10 | 6 | 10 | 6 | N | | N | | 74 | 8 | | | | | | | | | | | | | | >50 |
| 321 | F-6 | SGP | 19F30 | 11 | 1 | 11 | 1 | N | | N | 9 | 76 | 6 | | | | | | | | | | | | | | 20 |
| 322 | F-7 | | 19F40BR | 12 | | 6 | | Y | 66 67* | N | | 78 | 4 | 6 | | 77 | | 6 | | 76 | | 6 | | 76 | | 6 | >50 |
| 323 | F-6 | | 19F30 | 11 | | 11 | | Y | 68 70 | N | | 78 | 4 | | | 77 | 1 | | | 75 | 2 | | | 74 | 1 | | 50 |
| 324 | F-6 | | 19F | 8 | | 8 | | N | | N | | 78 | 4 | | | 76 | 2 | | | 75 | 1 | | | | | | >50 |
| 325 | F-6 | | 19F30BR | 11 | | 10 | 6 | N | | N | | 76 | 6 | | | 75 | 2 | * | | 70 | 1 | | | 68 | 1 | | >50 |
| 326 | F-6 | SSG | 1811 | 6 | 6 | 6 | 6 | N | | N | | | 6 | | | | | | | | | | | | | | >50 |
| 327 | F-6 | | 19F30 | 10 | | 8 | | N | | N | | 74 | 7 | | | | | | | | | | | | | 6 | 20 |
| 328 | F-6 | | 19F30 | 10 | | 6 | | N | | N | | 76 | 1 | | 5 | | | | | | | | | | | | 50 |
| 329 | F-6 | P | 19F30H | 12 | 6 | 10 | | N | | N | | | 7 | | | | 3 | | | | 1 | | | | 1 | | >50 |
| 330 | F-6 | | 19F30 | 10 | | 10 | | N | | N | | 74 | 7 | | | 73 | 1 | 6 | | | | | | 72 | | 8 | 20 |
| 331 | E-7 | SFC | 19F4A | 14 | 6 | 10 | 6 | Y | 69 70 | Y | 69 70 | | 70 | 12 | | | | | | | | | | 69 | 1 | | 50 |
| 332 | F-6 | | 19F30 | 8 | | 8 | | N | | N | 2 | 78 | 5 | | | 77 | 1 | | | | | | | 76 | 1 | | >50 |
| 333 | F-6 | SSG | 19F3 | 9 | 6 | 9 | 6 | N | | N | | 77 | 6 | | | 76 | 2 | | | 74 | | 6 | | 75 | 1 | | >50 |
| 334 | E-6 | SSG | 19F3 | 11 | 4 | 11 | 4 | N | | N | | 74 | 8 | | | 73 | 1 | 6 | | | | | | 72 | 1 | 8 | 20 |
| 335 | F-6 | SGP | 19F30X | 8 | 5 | 8 | 5 | N | | N | | 75 | 7 | | | 74 | | 7 | | | | | | 74 | | 5 | >50 |
| 336 | F-6 | SSG | 19F | 10 | 6 | 10 | 6 | N | | N | | 75 | 7 | | | 72 | 3 | | | | | | | | | | 50 |
| 337 | F-6 | | 19F30 | 11 | | 11 | | N | | N | | 74 | 8 | | | 74 | | 5 | | 73 | | 4 | | 72 | 1 | 6 | >50 |
| 338 | F-7 | | 19K40 | 11 | 3 | 11 | 3 | N | | N | | 75 | 7 | | | 72 | 3 | | | 71 | 1 | | | | | | >50 |
| 339 | F-6 | | 19F30 | 10 | | 10 | | N | | N | 4 | 75 | 7 | 6 | | 74 | 1 | | | 72 | 2 | | | | | | >50 |
| 340 | F-7 | SGT | 1811 | 11 | | 11 | | N | | N | | 75 | 3 | | | 74 | 2 | | | 71 | 2 | | | 72 | 3 | | >50 |
| 341 | F-6 | | 19F | 10 | | 10 | | N | | N | | 75 | 3 | | | 75 | 1 | 6 | | 74 | 1 | | | 73 | 1 | | >50 |
| 342 | F-7 | SSG | 1811 | 13 | | 11 | | Y | 69 70 | N | | 72 | 5 | | | 71 | 6 | | | 71 | 6 | | | 70 | 6 | | >50 |
| 343 | | SSG | 19F3YBR | 10 | 6 | 10 | 6 | N | | N | | 75 | 5 | | | 75 | 1 | | | 71 | 1 | | | 72 | 2 | | 50 |
| 344 | F-6 | | 19K3X | 8 | | 8 | | N | | N | | 79 | 2 | | | 75 | 6 | | | | | | | 75 | 6 | | 20 |

# CREW 3; DUTY DESCRIPTION

301 D.S. * YES
302 DRILL SERGEANT
303 INSTRUCTOR (DRILL SERGEANT SCHOOL) TAC NCO (PRIMARY NCO COURSE)
304 DRILL SARGEANT IN AN OSUT BDE
305 TANK COMMANDER, PLATOON SERGEANT
306 PLATOON SGT OVER 19 PERSONEL ALSO COMPANY MASTER GUNNER
307 I AM THE BATTALION MASTER GUNNER. I COORDINATE ALL TANK GUNNERY AND OBSERVE TURRET MAINTANCE.
308 DRILL SGT.-SUPERVISE AND TRAIN YOUNG CIVILIANS TO BECOME ARMOR CREWMAN. * OFF AND ON
309 DRILL SERGEANT AT FT KNOX
310 TANK CMDR, SUPERVISOR OF 3-20 PEOPLE AND TOOK OVER AS PLT SERGEANT
311 PLT SGT.- MAINTAIN 5 M60A1 TANKS WITH A PLT OF APPROX 20 CREW MEMBERS.
312 DRILL SGT.
313 CAV. TANK SECITON SGT. , TANK COMMANDER
314 TANK PLT SGT/ MASTER GUNNER FOR AN ARMOR TANK UNIT
315 TANK PLT SGT AND MASTER GUNNER FOR MY COMPANY
316 IN CHARGE OF A TANK PLATOON, RESPONSIBLE FOR MAINT OF VEHICLES, TRAINING AND WELFARE OF PERSONNEL
317 PLT SGT, SECTION SGT TANK COMMANDER
318 INSTRUCTOR AT AN NCO ACADEMY. INSTRUCT BASIC NON COMMISIONED OFFICERS COURSE 19ECHF.
319 P/T SEARGENT 6 MONTHS, BN MASTER GUNNER 6 MOUNTHS
320 I HAVE SERVED AS PLATOON SGT. FOR THE LAST YEAR. CONTROLLING AND SUPERVISING 20-24 MEN BOTH IN GARRISON AND THE FIELD IN ADDITION I ALSO TEACH THEM ON SQT TASK.
321 PLATOON SGT. OF A TANK PLATOON IN EUROPE.
322 PLT SGT/PLT LDR. RESPONSIBLE FOR THE TRAINING OF 19 S.M., AND IDENTIFING TRAINING DEFFICIENCIES, AND TAKING STEPS TO CORRECT THESE DEFFICIENCIES. * DEC 66 - JUL 67
323 I HAVE BEEN TRAINING AIT/OSUT TROOPS AND I AM NOW TRAINING ARMER OFFICIER BASIC.
324 PLT SARGEANT
325 PLATOON SERGEANT IN A CAV PLATOON, PERFORMING OUTPOST AND PATROL DUTY ALONG THE IRON CURTAIN. * ALSO 1971
326 PLT. SGT./TANK SECTION LDR. USMC
327 IVE BEEN A TANK COMMANDER, PLT SGT. WENT THUR 3 GUNNERYS, ARTEP AND NUMERIOUS OTHER DUTIES, AND MISSIONS.
328 BRIEFED ALL NATO FORCES ON OPFOR VEH. AND PERFORMED MAINTANCE ON T62,T-62-A, T54, T54B, PT76, BTR152, BTR60PB, GAZ-69 AND BMP. TANK SFC. LEADER.
329 WAS IN GERMANY IN 2BN 81 ARMOR. ENLONGED FRG WAS A PLATOON SERGENT FOR IN ENTIRE YEAR.
330 INSTRUCTOR M60A3 NEIT TEAM TEACHING FIRE CONTROL, LASTING ABILITY OF A-3 SYSTEMI
331 DURNING THE PAST YEAR TECH INTEL ANILYST SOVIET ARMOR
332 TANK SECTION LEADER IN A CAV TROOP. SUPERVISE TANK SECTION AND 20 PEOPLE, LEAD TANK SECTION IN MANUVERS AND GUNNERY EXERCISES.
333 PLATOON SERGEANT OF A 30 MAN TANK PLATOON WITH 7 TANKS SUPPORTING THE TRAINING GIVEN AT THE U.S. ARMY ARMOR SCHOOL FT. KNOX, KY.
334 I HAVE A PLT SGT AND A HA PIT SGT
335 PLT SGT IN A ARMOR BN IN WEST GERMANY
336 PLT SGT IN A ARMOR CAVALRY
337 PLT SGT ARMORED CAV PLT. SUPERVISED MAINT OF 5 M113A1 4 M60A1 TRAINING OF BOTH 19D AND 19E E-6 AND BELOW
338 PLT SGT/ MASTER GUNNER OF M-1 TANK PLT.
339 TANK COMMANDER WITH A CREW OF 4. ALSO, BEING THE RANKING E-6, I WAS FULFILLING THE JOB AS ASSISTANCE PLATOON SERGEANT ALSO.
340 LOGISITCS CHIEF, TANK PLT SGT, GUNNERY AND TACTICS INSTRUCTOR, 25 MM CHAINGUN INSTRUCTOR, COMPANY TANK LDR, USMC
341 I HAVE BEEN AN ARMOR DRILL SGT. I HAVE BEEN TEACHING BASIC SKILLS AND ARMOR SUBJECTS.
342 PLATOON COMMANDER TANK PLATOON STATIONED OKINAWA, JAPAN AND REPUBLIC OF KOREA AND REPUBLIC OF PHILIPPINES. USMC
343 DRILL SGT TRAINING BASIC AND AIT SOLDIERS.
344 DRILL SARGEANT

# CREW 4: TOW CREW

| RESP | GRADE | RANK | MOS | IN ARMY YR | IN ARMY MO | IN ARTIL MO | IN ARTIL YR | COMBAT? | COMBAT WHEN | ATGM COMBAT? | ATGM COMBAT WHEN | SQUAD LEADER WHEN MO | SQUAD LEADER WHEN YR | SQUAD LEADER HOW LONG YR | SQUAD LEADER HOW LONG MO | GUNNER WHEN MO | GUNNER WHEN YR | GUNNER HOW LONG YR | GUNNER HOW LONG MO | LOADER WHEN MO | LOADER WHEN YR | LOADER HOW LONG YR | LOADER HOW LONG MO | DRIVER WHEN MO | DRIVER WHEN YR | DRIVER HOW LONG YR | DRIVER HOW LONG MO | MEN SUPERVISED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 401 | F-6 | SSG | 11H3 | 10 | | 5 | | Y | 67 68 | N | | | 78 | 2 | | | | 2 | * | | | 2 | * | | | 2 | * | >50 |
| 402 | F-6 | | 11H30 | 14 | | 11 | | N | | N | | | | 3 | | | | 2 | | | | 2 | | | | 3 | | >50 |
| 403 | F-6 | | 11H30E9 | 10 | | 10 | | N | | N | | | 77 | 5 | | | 76 | 2 | | | | | | | 75 | 1 | | 10 |
| 404 | F-6 | SSG | 11H | 10 | | 10 | | N | | N | | | 75 | 8 | | | 72 | 2 | | | | | | | | | | 50 |
| 405 | F-6 | SSG | 11H3H | 10 | | 10 | | N | | N | | | 78 | 3 | | | 75 | 3 | | | 73 | 3 | | | | | | >50 |
| 406 | F-6 | SSG | 11H30 | 14 | | 0 | | N | | N | | 1 | 83 | 6 | | | | | | | | | | | | | | 50 |
| 407 | F-6 | SSG | 11H3X | 10 | 8 | 5 | | N | | N | | | 79 | 2 | | | | | | | | | | | | | | 20 |
| 408 | F-6 | SSG | 11H30 | 13 | | 6 | | Y | 69 70 | N | | | | | | | | | | | | | | | | | | 50 |
| 409 | F-6 | | 11H30H | 10 | | 4 | | Y | 68 70 | N | | | 78 | 1 | | | | | | | | | | | | | | 20 |
| 410 | F-7 | | 11H40XF9 | 17 | | 17 | | Y | 66 67 | Y | 66 67 | | 68 | 6 | | | 67 | 1 | | | 66 | 1 | | | 66 | 1 | | >50 |
| 411 | F-6 | SSG | 11H | 11 | 7 | 7 | | N | | N | | | 76 | 3 | | | | | | | | | | | | | | 20 |
| 412 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 413 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 414 | F-6 | | 11H3X | 9 | 9 | 3 | | N | | N | | | | | | | 74 | | | | 74 | | | | | | | 20 |
| 415 | F-6 | | 11H3HE9 | 8 | 6 | 8 | 6 | N | | N | | | 76 | 1 | 6 | | 75 | | 11 | | 75 | | 2 | | 74 | | 8 | 50 |
| 416 | F-7 | | 11H40 | 15 | | 6 | | Y | * | N | | | 78 | 2 | | | | | | | | | | | | | | >50 |
| 417 | F-6 | SSG | 11H30E9 | 12 | | 4 | 6 | Y | * | N | | | | 4 | | | | | | | | | | | | | | >50 |
| 418 | F-6 | SSG | 11H30 | 9 | 6 | 0 | * | N | | N | | 6 | 74 | 3 | 6 | 12 | 73 | | 6 | | | | | 8 | 73 | | 4 | >50 |
| 419 | F-6 | SSG | 11H3P | 12 | | 6 | | N | | N | | | 73 | 3 | | | | | | | | | | | | | | >50 |
| 420 | | SSG | | 13 | | 8 | | N | | N | | 12 | 75 | 2 | | 9 | 75 | | 3 | 6 | 74 | | 3 | 1 | 74 | | 6 | 50 |
| 421 | F-6 | (P) | 11H3X | 7 | 6 | 7 | | N | | N | | | | 5 | | | | | | | | | | | | | | 50 |
| 422 | F-6 | | 11H30 | 11 | 6 | 6 | | N | | N | | 7 | 74 | | 6 | | | | | | | | | | | | | 50 |
| 423 | F-6 | SSG | 11H3HE9 | 10 | 6 | 10 | 6 | N | | N | | | 75 | 7 | | | 75 | | 6 | | 74 | | 6 | | 74 | | 6 | 50 |
| 424 | F-6 | | 11H | 10 | 8 | 4 | | N | | N | | | 78 | | 6 | | | | | | | | | | | | | >50 |
| 425 | F-6 | | 11H | 10 | * | 11 | | Y | 70 * | N | | | 75 | 1 | 6 | | 72 | 1 | | | | | | | | | | >50 |
| 426 | F-6 | SSG | 11H30 | 9 | 8 | 8 | 8 | N | | N | | | 75 | 6 | | | | | | | | | | | | | | 20 |
| 427 | F-6 | | 11H3H | 9 | 7 | 8 | | N | | N | | | 76 | 4 | | | 76 | | 8 | | 75 | | 6 | | 75 | | 6 | 50 |
| 428 | E-6 | | 11H30E9 | 14 | | 8 | | N | | N | | | 75 | 6 | | | 75 | | 6 | | | | | | | | | 50 |
| 429 | F-7 | | 11H40 | 12 | | 6 | | Y | 71 72 | N | | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | 20 |
| 430 | F-7 | | 11H4X | 12 | | 5 | | Y | 71 | N | | | 75 | 4 | | | 79 | | * | | | | | | | | | >50 |
| 431 | F-6 | | 11H | 11 | | 3 | | N | | N | | | | | | | | | | | | | | | | | | 10 |
| 432 | F-6 | | 11H | 9 | 7 | 5 | | N | | N | | | 77 | 2 | | | 77 | | * | | 77 | | * | | 77 | | * | >50 |
| 433 | | | 11H30 | 10 | | 7 | | Y | 68 * | N | | | 78 | 3 | | | 77 | | 2 | | 76 | 1 | | | 75 | | 8 | >50 |
| 434 | F-7 | SFC | 11H40 | 13 | | 6 | | Y | 70 71 | N | | | 75 | 6 | | | | | | | | | | | | | | 10 |
| 435 | | | 11H3X | 12 | | 7 | | Y | 68 70* | Y | 68 70* | | | 3 | * | | | | 6* | | | | | | | | | >50 |
| 436 | -6 | | 11H30E9 | 8 | | 6 | | Y | 69 70 | N | | | 78 | 1 | 6 | | 77 | | 6 | | | | | | | | | 20 |
| 437 | F-6 | SSG | 11H30 | 12 | | 7 | | N | | N | | | 76 | 3 | | | | | | | | | | | | | | >50 |
| 438 | F-6 | | 11H | 11 | | 7 | | N | | N | | | 77 | 3 | | | 76 | 1 | | | 77 | | 3 | | 76 | | 6 | 50 |
| 439 | F-6 | SSG | 11H30 | 10 | | 0 | | N | | N | | 10 | 78 | 5 | | | | | | | | | | | | | | 20 |
| 440 | F-6 | | 11H | 11 | | 4 | 6 | N | | N | | | | 4 | 6 | | | | | | | | | | | | | 50 |
| 441 | E-6 | SSG | 11H30 | 10 | 6 | 6 | | N | | N | | | 76 | 6 | | | | | | | | | | | | | | >50 |
| 442 | F-7 | | 11H | 13 | | 13 | | Y | 68 69 | N | | | 75 | 3 | | | 73 | 2 | | | 72 | 1 | | | | | | >50 |
| 443 | F-7 | SFC | | 15 | | 0 | | Y | 67 68 | N | | | 70 | 9 | | | | | | | | | | | | | | >50 |
| 444 | F-6 | | 11HE9 | 9 | | 5 | | N | | N | | | 78 | 1 | | | | | | | | | | | | | | >50 |
| 445 | F-6 | | 11H30 | 7 | 8 | 7 | | N | | N | | | 77 | 6 | | | 76 | 1 | | | | | | | | | | 50 |
| 446 | | | 11H4H | 13 | | 8 | | N | | N | | | 76 | 3 | | 5 | 81 | 1 | | 5 | 81 | 1 | | 5 | 81 | 1 | | >50 |

# CREW 4; DUTY DESCRIPTION

401 TOW-5YRS ITV-3YRS * OFF AND ON

402 WORK WITH M901 ITV AS A PLT. LEADER 3 YEARS WORK WITH M220 TOW CARRIER FOR 6 YEARS WORK WITH M151 TOW CARRIER FOR 2 YEARS

403 I HAVE BEEN IN AN ANTI ARMOR PLT. 10YRS. I HAVE WORK WITH THE JEEP TOW, THE M220 SYSTEM AND AT THE PRESENT TIME ON THE M901.

404 WORKING AS AN ANTI-TANK PLT SGT. TAKING CARE OF THE WELL FAIR OF 44 MEN. ALL 12 ITV AND ONE APC. ALSO MAKING SURE MY PLT. IS TRAINED AND PREPARE FOR COMBAT. ALSO TRAINING LT.'S WHO WORK AS PLT. LEADERS.

405 INSTRUCTOR ITV TRANSITION TRAINER COURSE FT. BENNING TEACH APPROX. 4 STUDENTS EVERY 3 WEEKS ON HOW TO OPERATE, MAINTAIN, SHOOT THE ITV.

406

407 DURING THE PAST YEAR I HAVE BEEN ASSIGNED AS A DRILL SGT.

408 I HAVE EXPERIENCE IN ALL TOW VEHICLES EXCEPT THE MULES. I'M A PLT.SGT. WORKING TOW JEEPS AT THE PRESENT TIME.

409 AS AN INSTRUCTOR FOR PNCOC/CA IN THE 11B SERAIES. ALL AREA'S ITV'S PLT. SGT 2YR. EUROPE

410 HEAVY ANTI-ARMOR CREWMAN SUPERVISOR. CHIEF SUPERVISOR SPECIALIZING IN NIGHT OPTIC

411 I HAVE BEEN A SECTION SGT FOR THE LAST 18 MONTH AND OUT OF THAT TIME MY ITV'S HAVE BEEN IN SOPORT ABOUT 5 TO 9 TIME FOR DIFFERENT THINGS AND MY ITV DON'T HAVE THAT MANY HOURS ON THE GUN.

412

413

414 I WAS AN 11H IN 1973+74 AND WAS THEN RECLASSIFIED AS AN 11B BY DA. IN 1979 WHEN DA RE-ESTABLISHED THE 11H MOS, I WAS AUTOMATICALLY SWITCHED BACK. SINCE THEN I HAVE BEEN IN A RANGER BN OR ON STATUS AS A DRILL SGT, SO I'M NOT YOUR BEST SOURCE OF INFORMATION

415 I AM THE MISSLE LOGISTICS NCO FOR THE TOW PROJECT, REDSTONE ARS I WAS AN ITV INSTRUCTOR AND LATER PLATOON SERGENT IN EUROPE AND SUPERVISED APPROX 30 PERSONNEL. I HAVE ALSO BEEN AN ANTI-ARMOR INSTRUCTOR AT FT BENNING, GA. FROM 1978-79.

416 I'M A PLT. SGT. A.T. PLAT. ITV'S * VIETNAM

417 PLT SGT OF AN ITV PLT. WITH 46 MEN 18 ITV'S IN A EUROPEAN AREA. GUN JEEPS AND 113E1 TOW CAP * VIETNAM,LAOS

418 ANTI TANK PLT SGT. ASSISTED IN THE TRAINING OF NCO'S AND ENLISTEDMEN IN THE MAINT AND TACTICAL DEPLOYMENT OF ANTI ARMOR SQUADS AND SECTION. * 2 YRS 106, 3 YRS JEEP TOW, 2 YRS TOW TRACK, 2 YRS DRAGON SQD. LDR.

419 3 YRS WITH THE TOW ON APC AND 3 YRS ON JEEP. I HAVE BEEN SQUAD LEADER AND SECTION LEADER.

420 PLT SGT ANTI TANK PLT, 6 GUNS 13 VEHICLES- ARIEP-

421 I'M CURRENTLY ASSIGNED AS A DRILL SGT. HERE ON FT. BENNING. THE ONLY CONTACT IVE HAD WITH THE TOW AS BEEN IN SKILL LEVEL 1 TASKS THAT I HAD TO REINFORCE WITH MY TRAINEES.

422 SECTION SGT RESPONSIBLE FOR 6 E-M AND 2 TOW VEHICLE. PRESENT DUTY IS PLT SGT OF 12 ITV AND 53 EM.

423 I AM CURRENTLY AN ITV SECTION LEADER IN A COHORT UNIT. I HAVE TRAINED SOLDIERS ON ALL DIFFERENT MODE OF TOW'S. I HAVE BEEN A TOW SECTION SGT FOR THE LAST 7 YRS I HAVE ALSO BEEN AN INSTRUCTOR ON THE M220 TOW WITH THE 4TH DIV. ANTI ARMOR SCHOOL.

424 I HAVE BEEN A PLATOON SERGANT M220-JEEPS WITH THE 101ST FOR THE PAST 8 MTS. I WAS APLATOON SERGENT M901 WITH 3RD ARMOR DIVISION PRIOR TO GETTING TO 101ST.

425 I AM A BATTL. LEADER SGT IN EUROPE WHERE I HAVE 3 TOW ITV SECTIONS 6 ITV'S THAT I AM RESPONSIBLE TO LEAD AND TRAIN I HAVE BEEN IN THAT POSITION 1 YEAR. * 10 YEARS ACTIVE, 3 YEARS RESERVE, 11H, 106'S ** RVN, HELICOPTER DOOR GUNNER *** SECTION LEADER OR HIGHER 76-83

426 HAVE SERVED AS A GROUP LEADER OF A GROUP WHICH CONSISTED OF APPROXIMATELY 21 PERSONNEL, 3 SECTIONS, 6 TOW WEAPON SYSTEMS. SYSTEMS ARE MOUNTED ON M151 A2. I HAVE USED THE TOW IN THE M113, 1/2 TON MULE, AND THE M151 1/4 TON.

427 I'VE WORKED WITH JEEP MOUNTED TOW AND M113 TOW, TOW CAP VEHICLE, MY PRESENT JOB IS PNCOC INSTRUCTOR

428 IN 1975 I STARTED WITH THE GROUND MT. SYSTEM AND WORKED WITH IT MOSTLY AS A SQD. LD. AND SECTION SGT. I STARTED WITH THE ITV IN JAN 81 UNTIL NOW AS A SECTION SGT IN GERMANY

429 I STARTED WORKING IN TOW IN 1977, I DEPARTED FOR GERMANY IN 1979. THERE I WORK WITH WITH THE ITV. I RETURNED TO FT. CAMPBELL WHERE I AM PRESENTLY SERGENT.

430 IVE WORKED WITH THE TOW WPN SYSTEM ON A REGULAR 113, AN IMPROVED 113 THEN ON THE ITV. * 1 TIME

431 DRILL SERGEANT NO EXPERIENCE W/ITV

432 I WORK ON TEE RANGE AS AN INSTRUCTOR FOR ITV. * 1 WEEK

433 I HAVE BEEN PLT SGT OF AN AT PLT APPX TWICE IN THE PAST YR, RIGHT NOW I AM PRESENTLY A SECTION SGT OF AN ITV CREW IN CHARGE OF MAINTANCE, WELFARE, AS WELL SUPERVISION OF MY SECTION * US NAVY

434 I HAVE BEEN A DRILL INSTRUCTOR AT FT DIX, N.J. WHICH IS VERY LONG HOURS AND MENTALLY VERY DIFFICULT.

435 TOW SECTION LDRS. GERMANY, BN NCOIC IN CHARGE OF ALL TOW TRAINING. TOW INSTUCTOR FT POLK MOUNTED, JEEP, TRACK AND GOAT. * VIETNAM ** GERMANY

436 1) ITV SECTION LEADER- RESPONSIBLE FOR SUPERVISION OF 7 PEOPLE AND 2 ITVS 2) WEAPONS PLT SGT-RESPONSIBLE FOR SUPERVISION OF 81 MM MORTAR SECTION AND 1 ITV SECTION.

437 DRILL SERGEANT AT FT BENNY GEORGIA TRAINING TODAYS INITIAL ENTRY SOLDIERS

438 I WAS ITV INSTRUCTOR FROM 80-81 AFTER THAT I WAS SUPPLY SGT NOW I WORKING AS ITV PLATOON SGT

439 SECTION SGT. FOR A TOW WEAPONS SYSTEM MOUNTED ON AN M151A2
440 ACTED BRIEFLY AS PLT SGT FOR AN AT PLT, SECTION LDR FOR ANOTHER SHORT PERIOD OF TIME AND APPROX 9 MONTHS AS TNG NCO AND OCASIONALLY QUALIFYING ON THE ITV (WORKED WITH THE ITV FOR APPROX 2 1/2 YEARS) WORKED WITH M220 TOW FOR 2 YEARS
441 I WAS A SECT. LDR. IN KOREA FOR 1 YR. AND NOW I HAVE BEEN A SECT. LDR IN GERMANY FOR 6 MONTHS.
442 SENIOR INSTRUCTOR TOW GROUND MOUNT
443 SENIOR INSTRUCTOR ON TOW GUNNERY TRAINING COURSE, IMPROVED TOW VEHICLE AND DRAGON.
444 INSTRUCTOR OF ITV CREWMEN TRAINING FOUR CREWMEN FOR (E-9) ITV
445 I HAVE INSTRUCTED ITV CREWMAN FOR THE PAST YEAR. ALL STUDENT WERE INITIAL ENTRY STUDENT DURING BASIC AND ADVANCED TRAINING.
446 I HAVE BEEN ASSIGNED AS SR. INSTRUCTOR ON THE ITV FOR THE PAST 7 MONTHS. I HAVE HAD PREVIOUS EXPERIENCE ON ALL POSITIONS ON THE ITV AND TOW SYSTEMS.

## Appendix C

### SINGLE SYMPTOM EFFECT ON PERFORMANCE

Each figure of this appendix is devoted to one position within a crew. Figure C.2, for example, shows one strip of plots for each of the two tasks performed by crew 1 (gun crew) position 2 (gunner). Performance is plotted on the vertical axis ranging from 0 to 1.0. The horizontal axis is composed of symptom complexes that differ from one another in only one symptom (usually). The first plot shows symptom complex 11X 111 where X (fatigability and weakness) ranges from severity level 1 to severity level 4.

The heavy line connects the median values of the soldiers' performance estimates for each of the symptom complexes. The upper and lower lines connect the extreme estimates. The other two lines connect the upper and lower quartile points. In the first plot on this page, the upper extreme, the upper quartile, and the median all lie on 1.0 for all the symptom complexes.

If we have described the increasingly severe aspects of symptom complexes clearly, and the soldier estimates of performance are consistent with that description, the lines connecting the points on the plots should trend downward or should remain level. If one of the lines were to reverse (slope upward), it would indicate that performance improves as sickness becomes more severe.

There are several instances of reversals; not all are cause for concern. A reversal in one of the extremes can result from the estimates of a single respondent. A shallow reversal may be due to the scatter of the estimates about two values that are essentially the same. But if the reversal is steep, involves the median, and is repeated for several crews, it indicates a difficulty in symptom interpretation. There does seem to be a difficulty with the symptom complex pairs 112 111/113 111, 411 111/412 111, 214, 112/314 112/414 112, 314 113/315 113, and 525 111/535 111.

However, there is a more important aspect shown by the single-symptom plots; that is, there is a pronounced difference between tasks for some positions. For example in Fig. C.4, crew 1 (gun crew) position 4 (loader) tasks 6 and 7 have very different patterns, as do tasks 9 and 10--implying that those tasks will suffer different degradation patterns than other tasks performed by the same crewmember, and therefore should be analyzed separately.

Task 1 : Receive fire order and call quadrant elevation, deflection, projectile, charge, fuze.

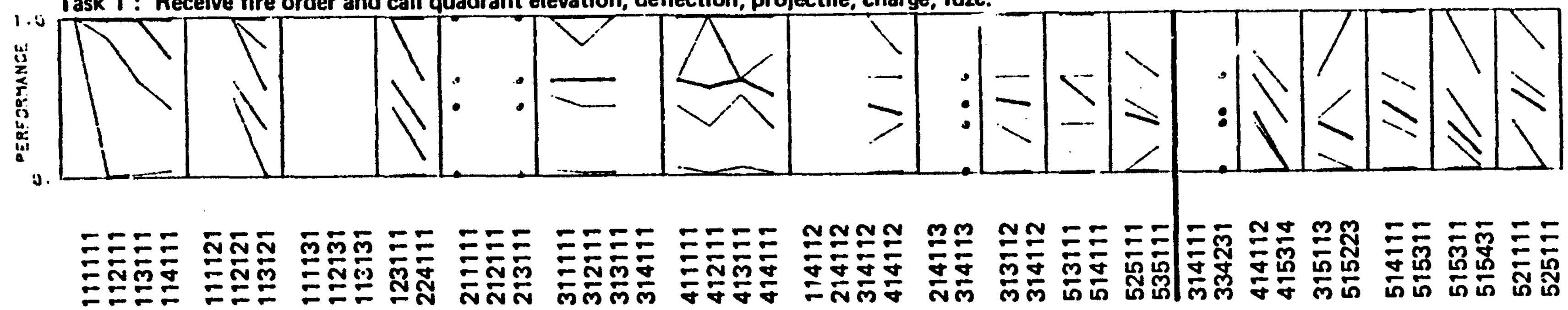


Figure C.1. Single symptom plcts: gun crew, chief of section (crew 1, position 1).

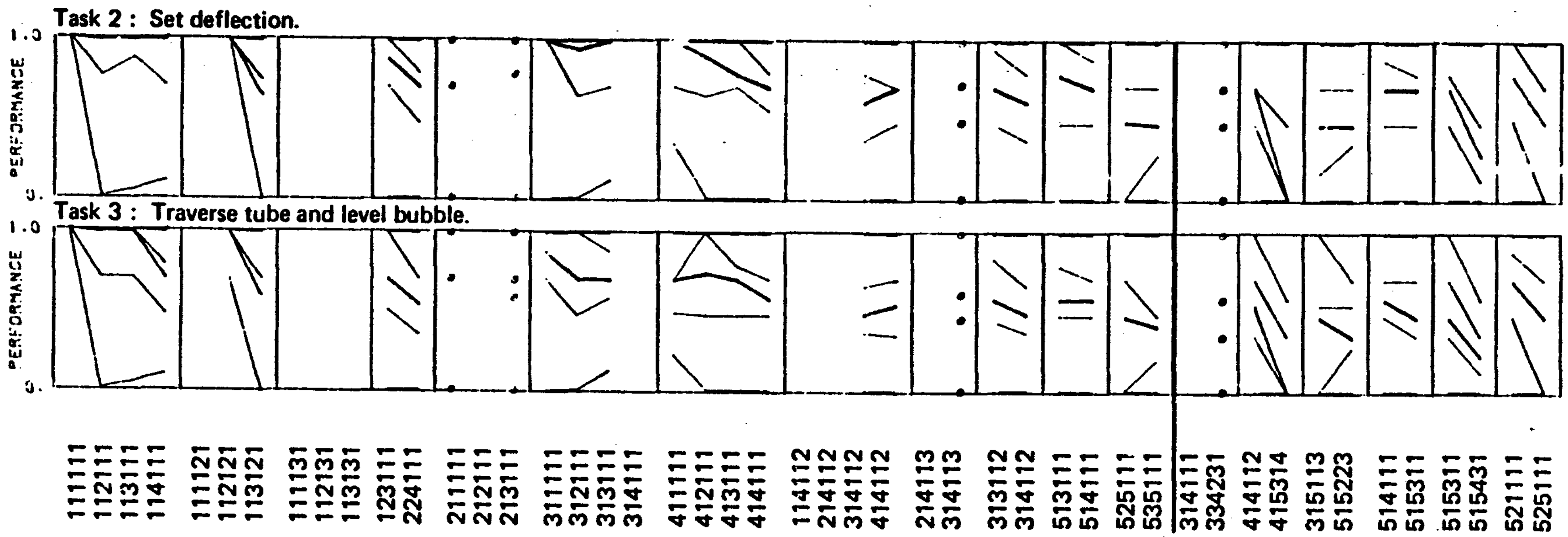


Figure C.2. Single symptom plots: gun crew, gunner (crew 1, position 2).

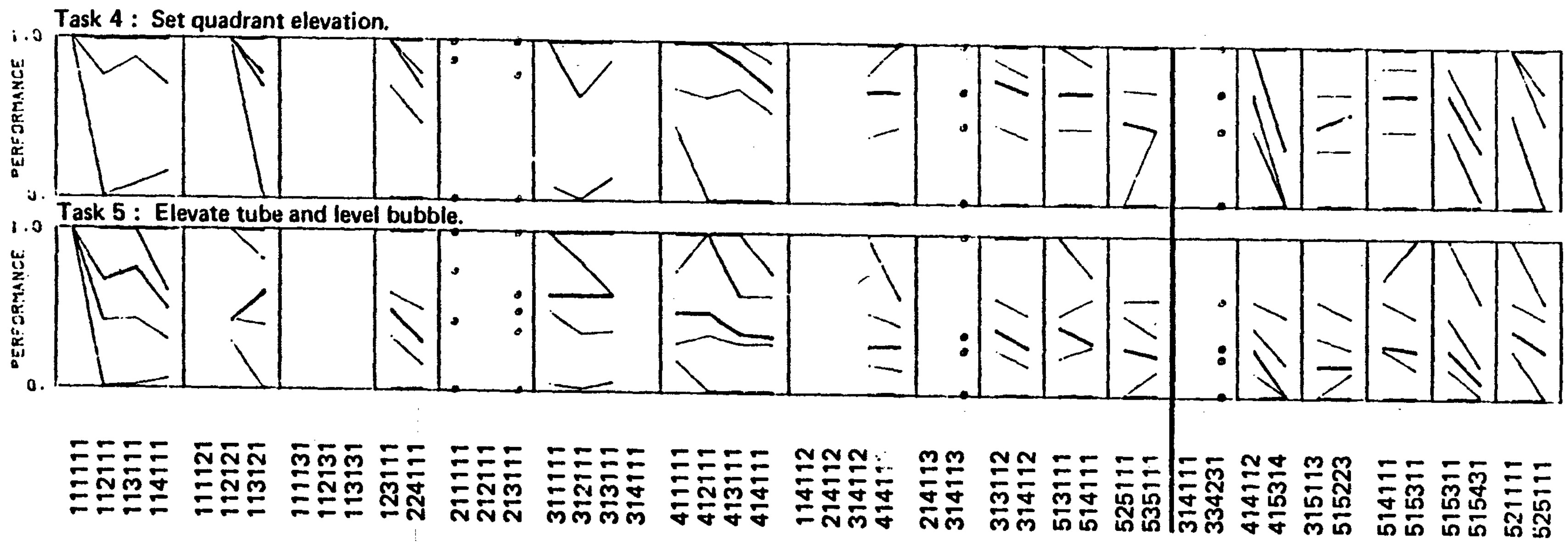


Figure C.3. Single symptom plots: gun crew, assistant gunner (crew 1, position 3).

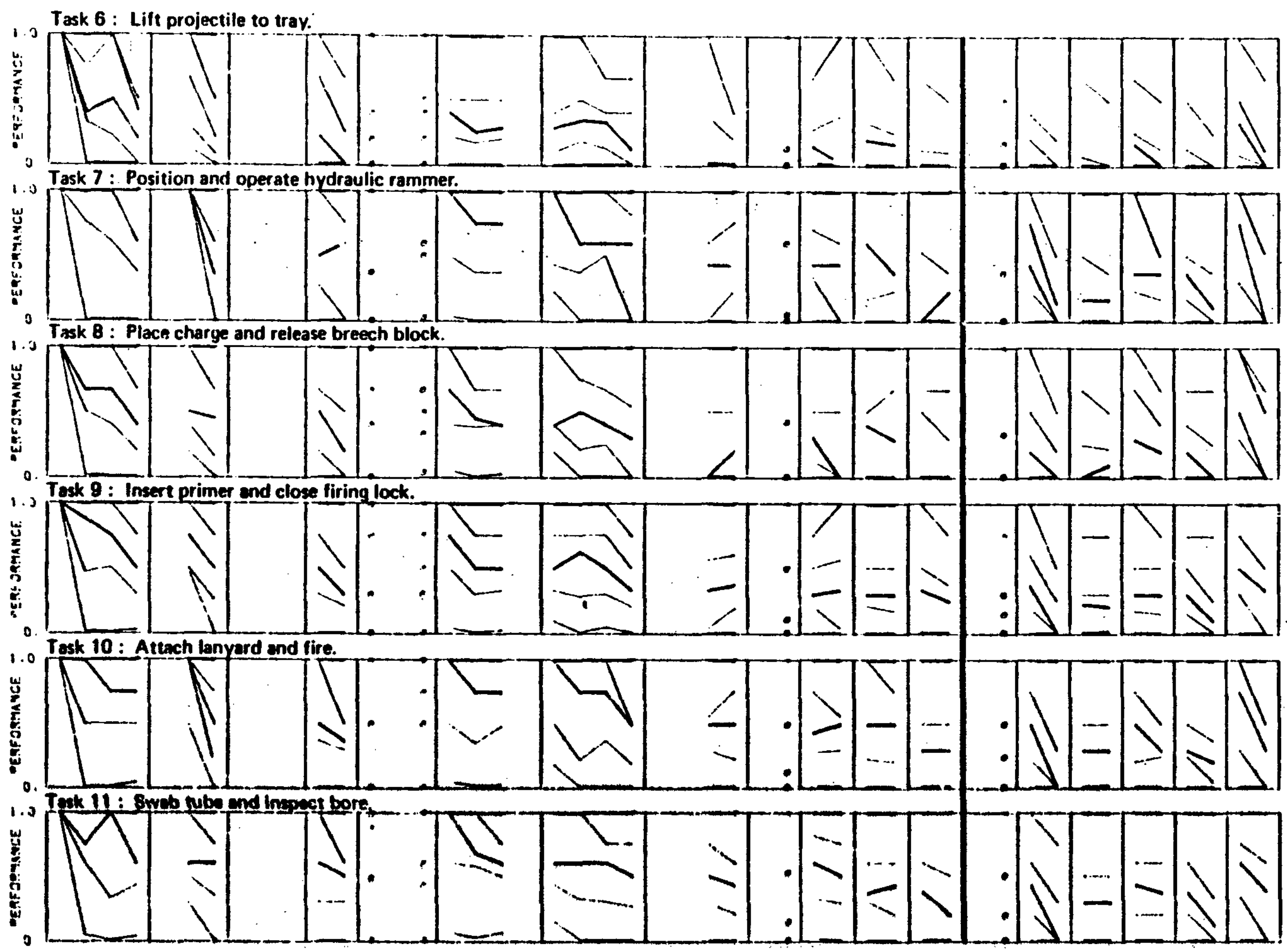


Figure C.4. Single symptom plots: gun crew, loader (crew 1, position 4).

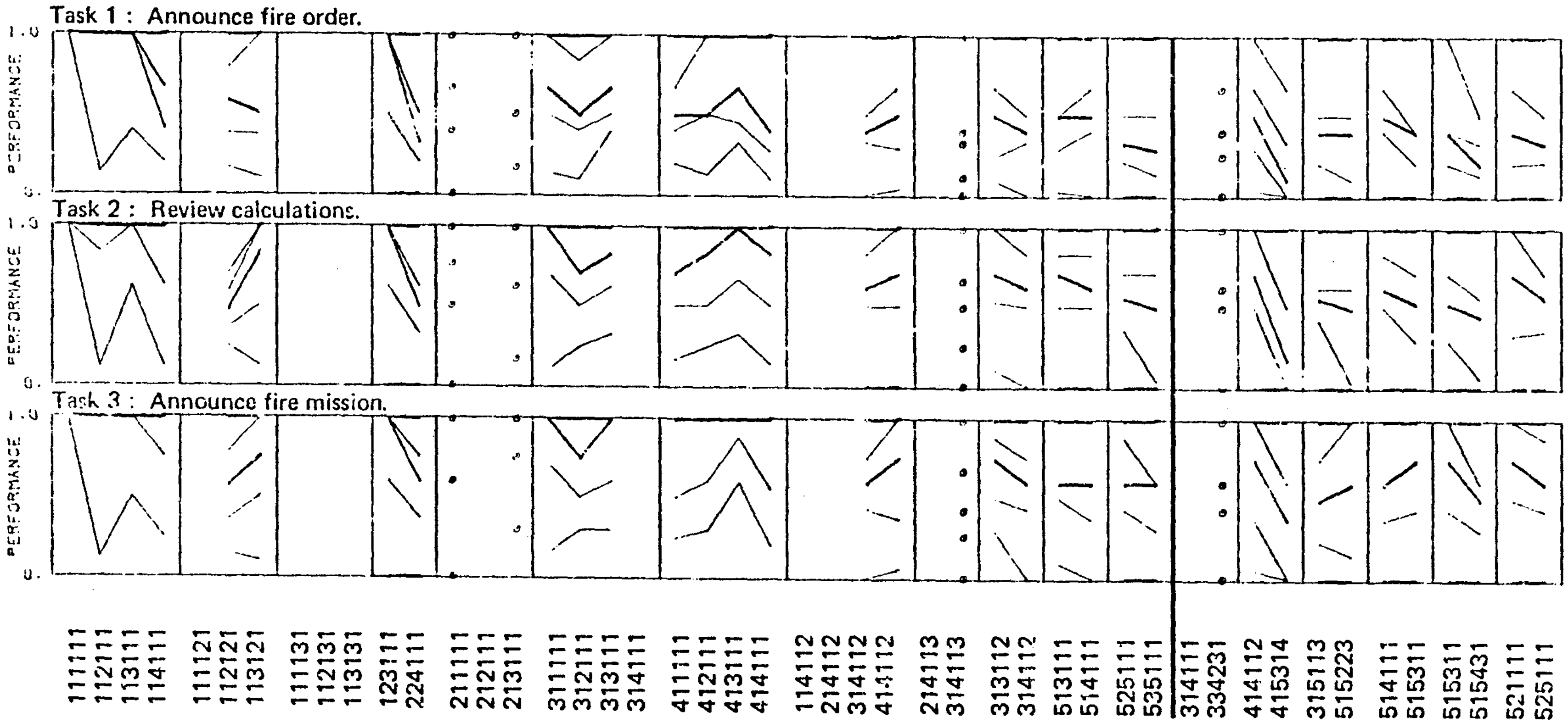


Figure C.5. Single symptom plots: FDC crew, fire direction officer (crew 2, position 1).

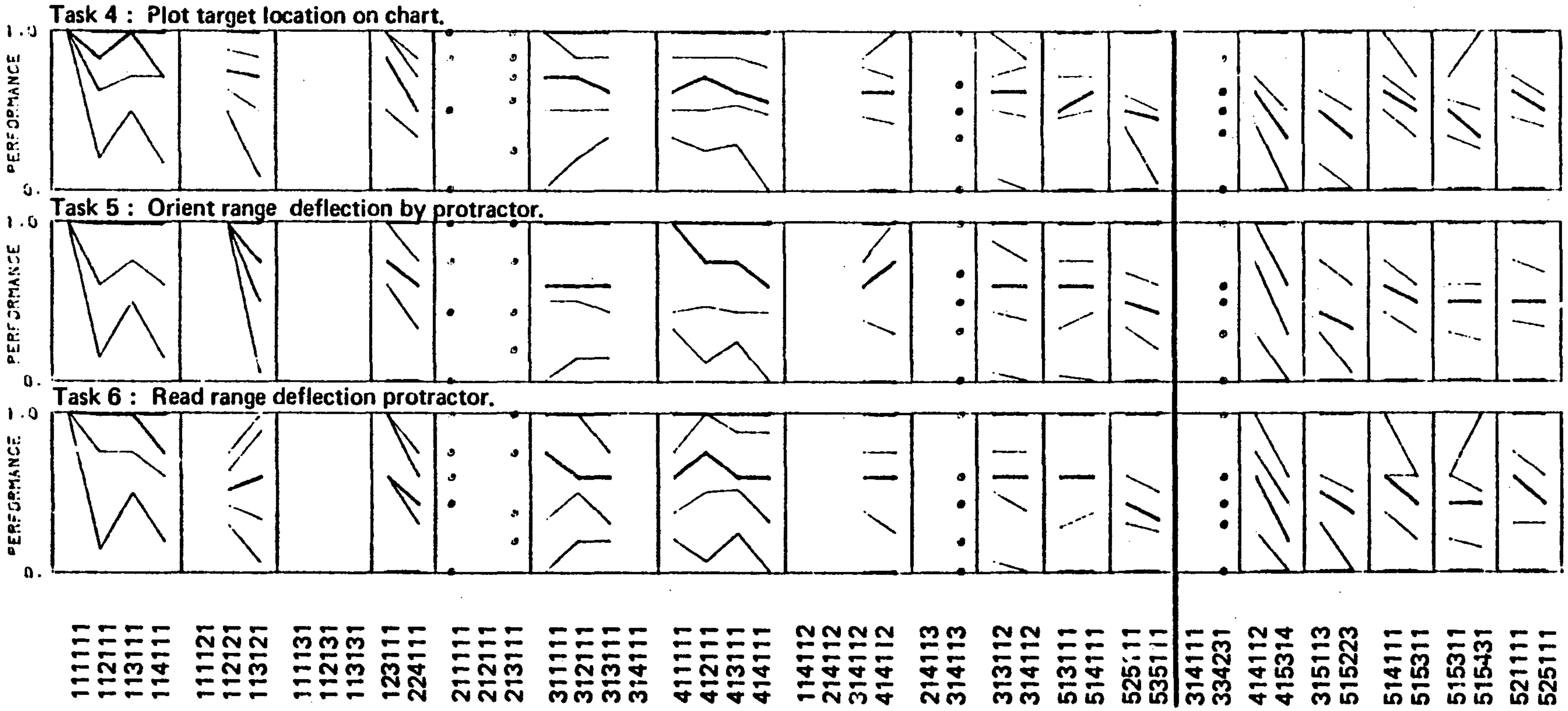


Figure C.6. Single symptom plots: FDC crew, horizontal control operator (crew 2, position 2).

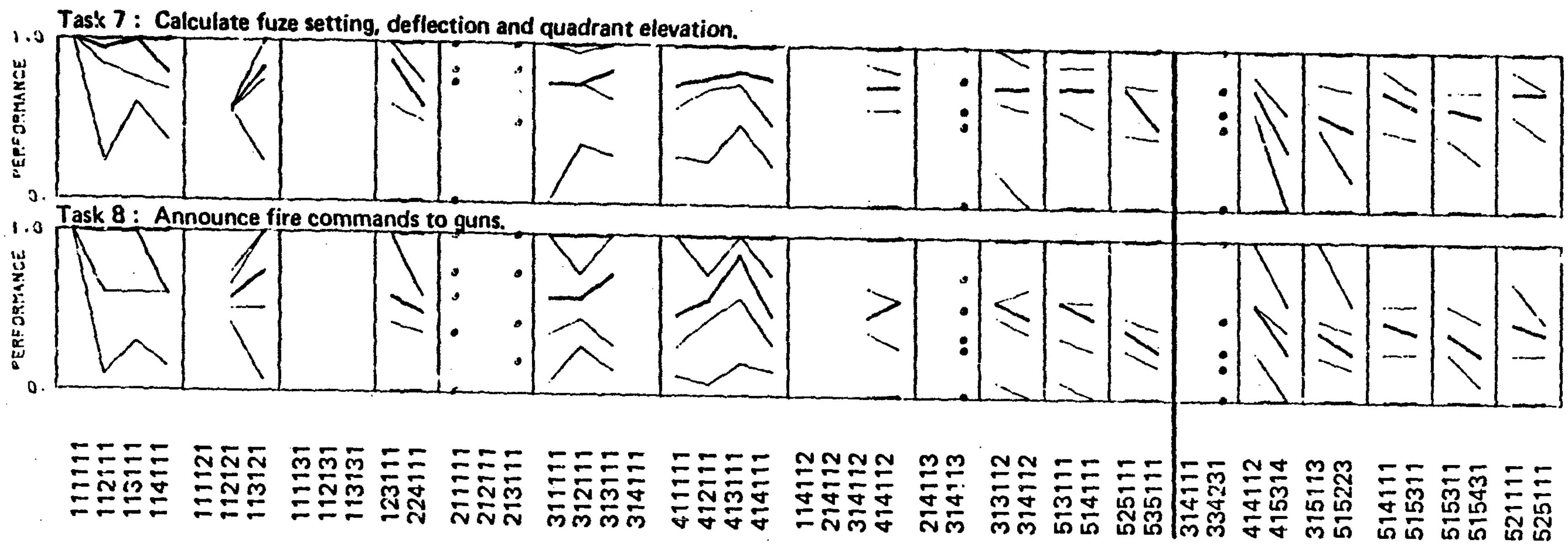


Figure C.7. Single symptom plots: FDC crew, computer (crew 2, position 3).

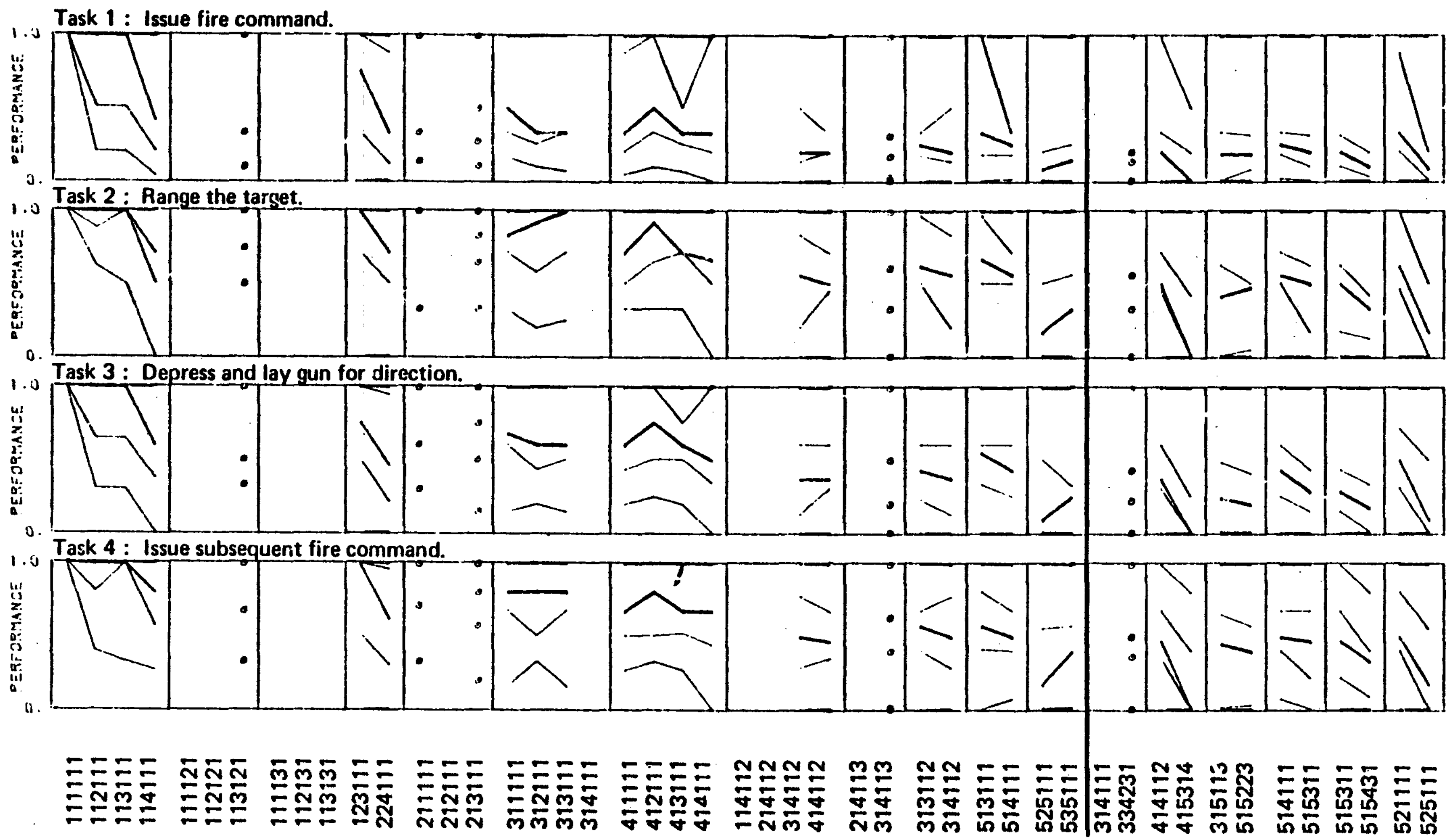


Figure C.8. Single symptom plots: tank crew, tank commander (crew 3, position 1).

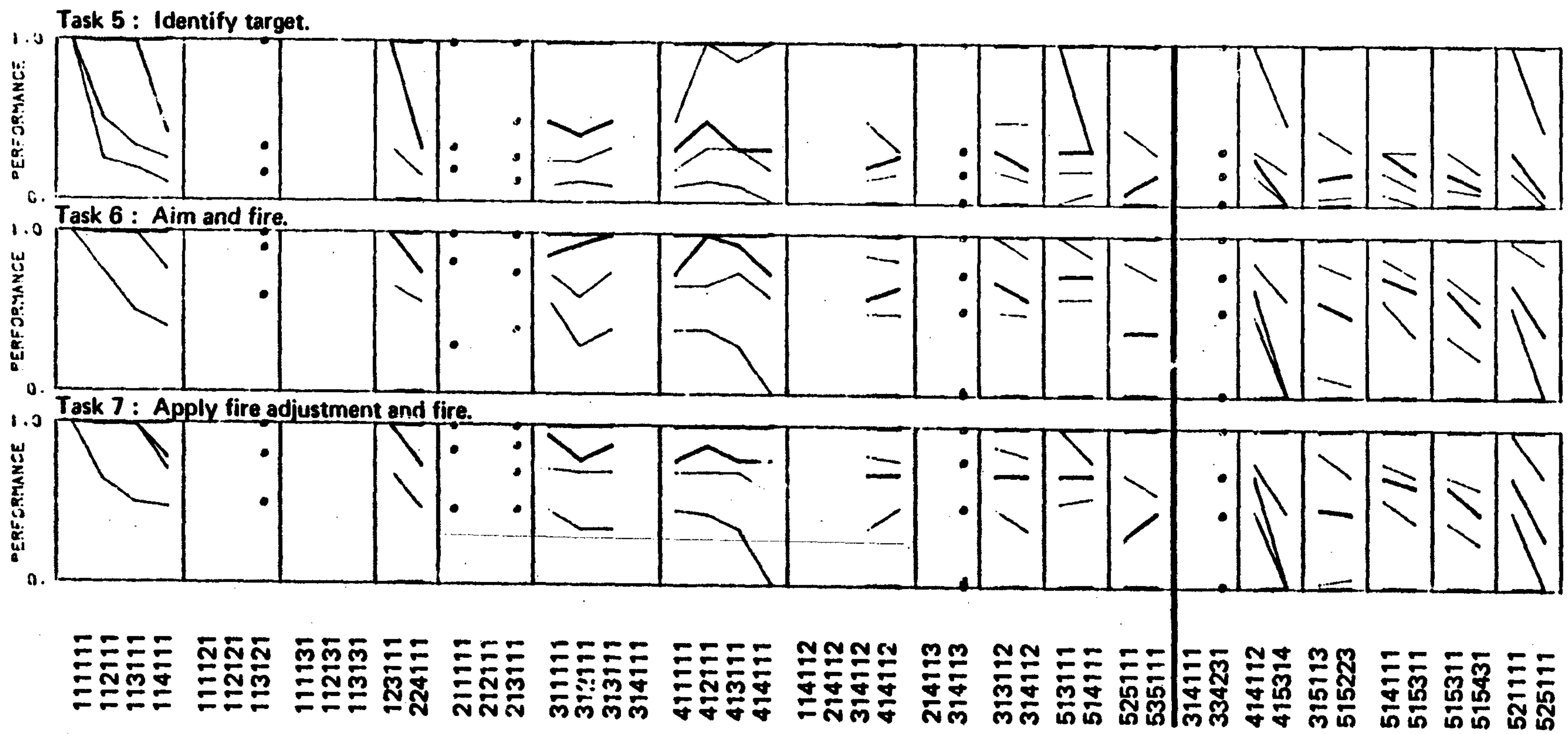


Figure C.9. Single symptom plots: tank crew, gunner (crew 3, position 2).

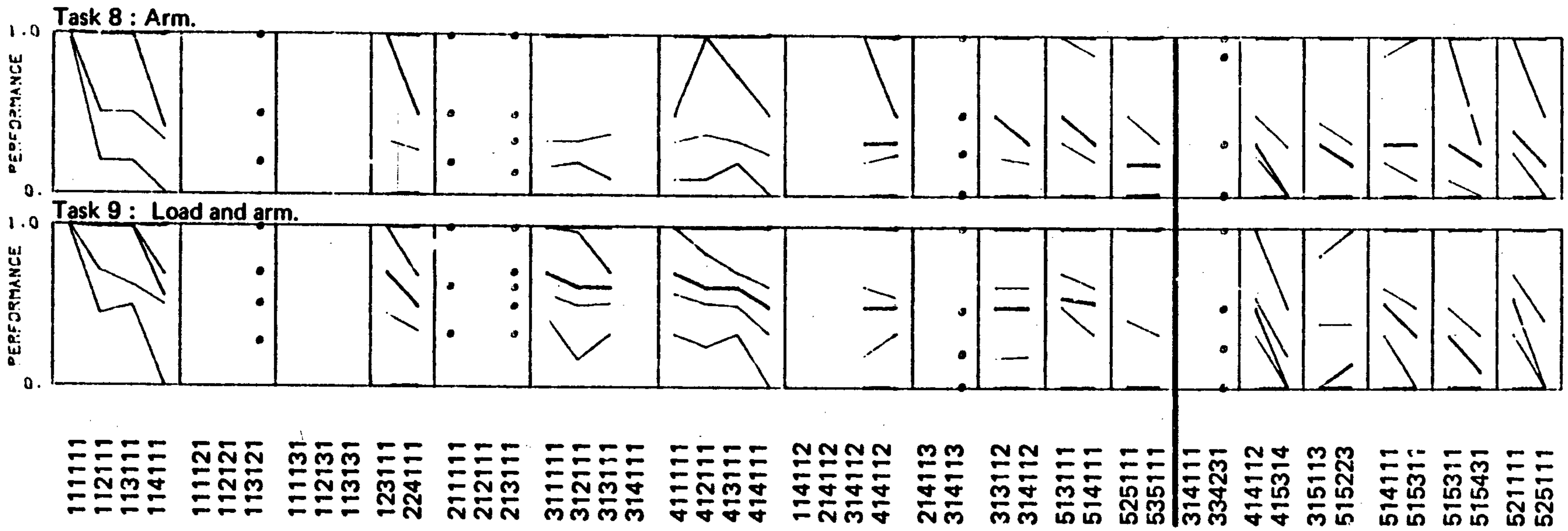


Figure C.10. Single symptom plots: tank crew, loader (crew 3, position 3).

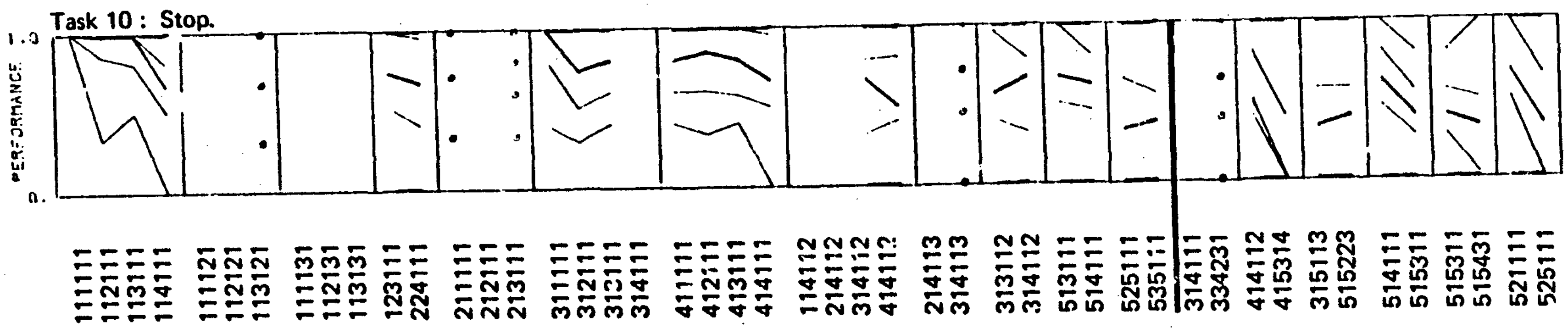


Figure C.11. Single symptom plots: tank crew, driver (crew 3, position 4).

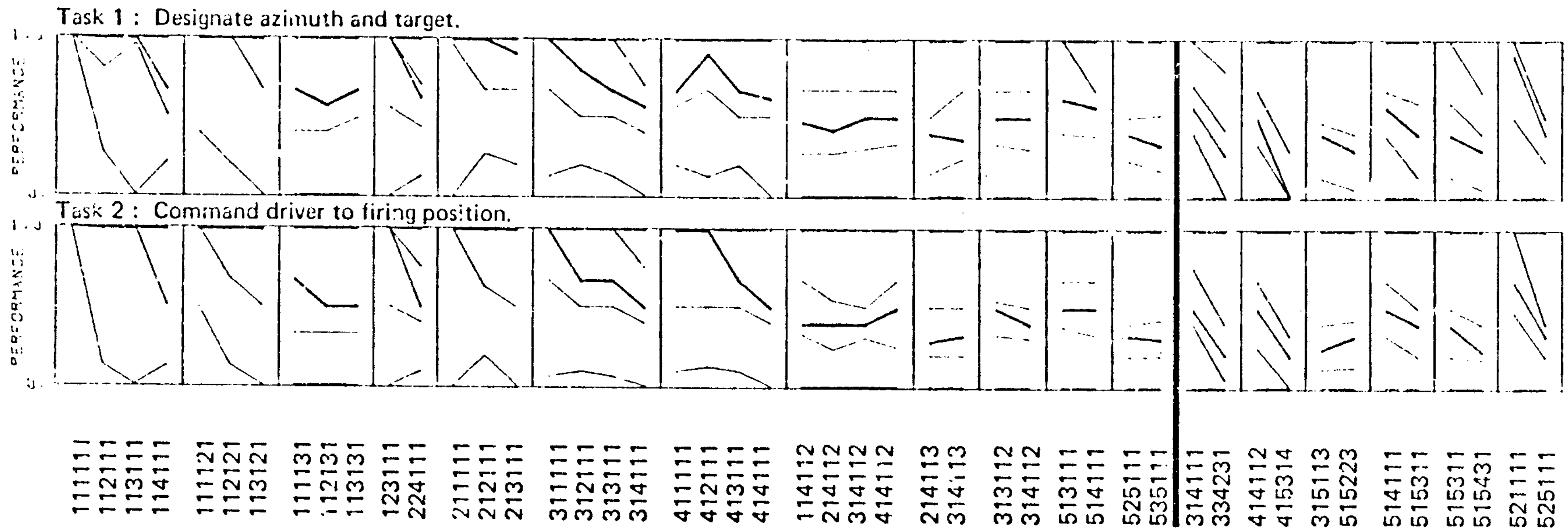


Figure C.12. Single symptom plots: TOW crew, squad leader (crew 4, position 1).

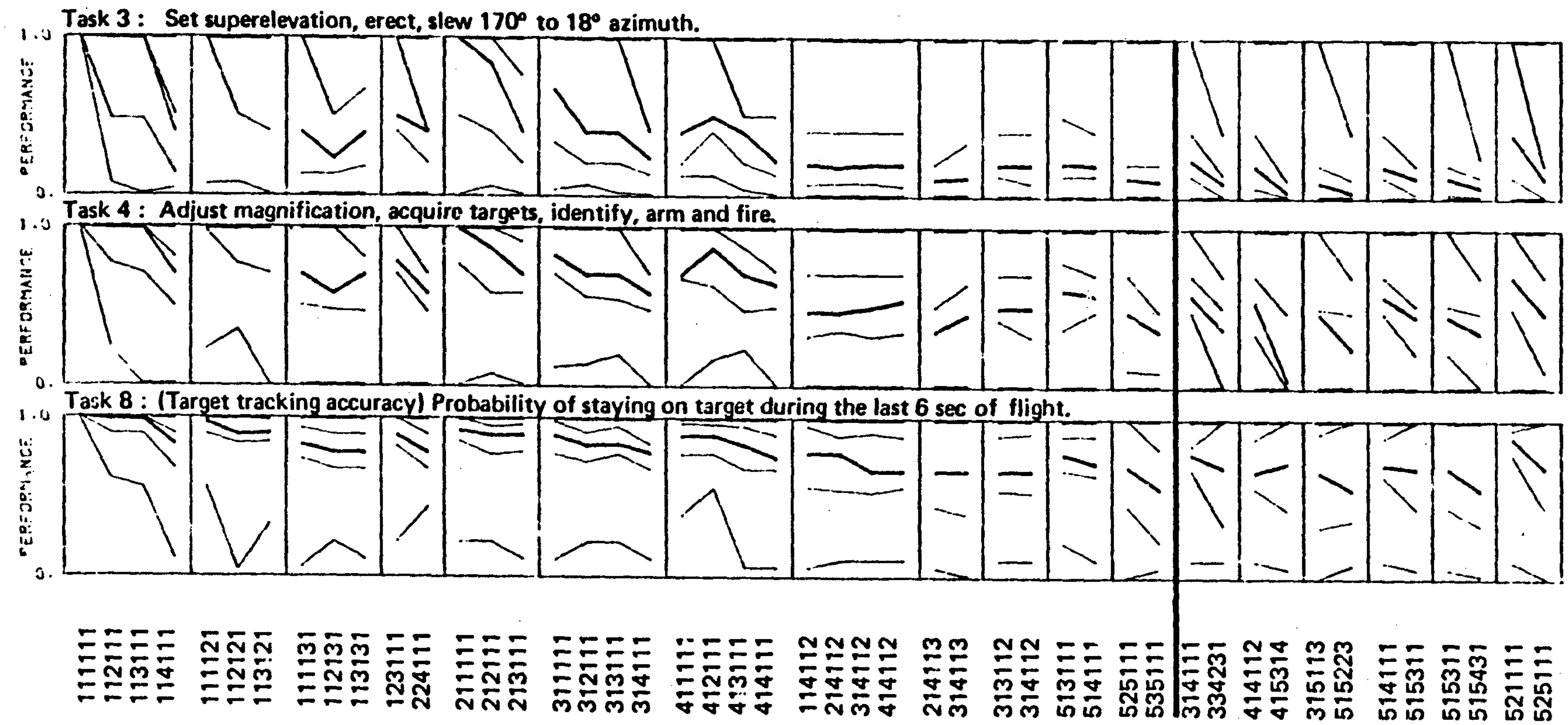


Figure C.13. Single symptom plots: TOW crew, gunner (crew 4, position 2).

Task 5 : From standstill, drive forward 40 ft and stop.

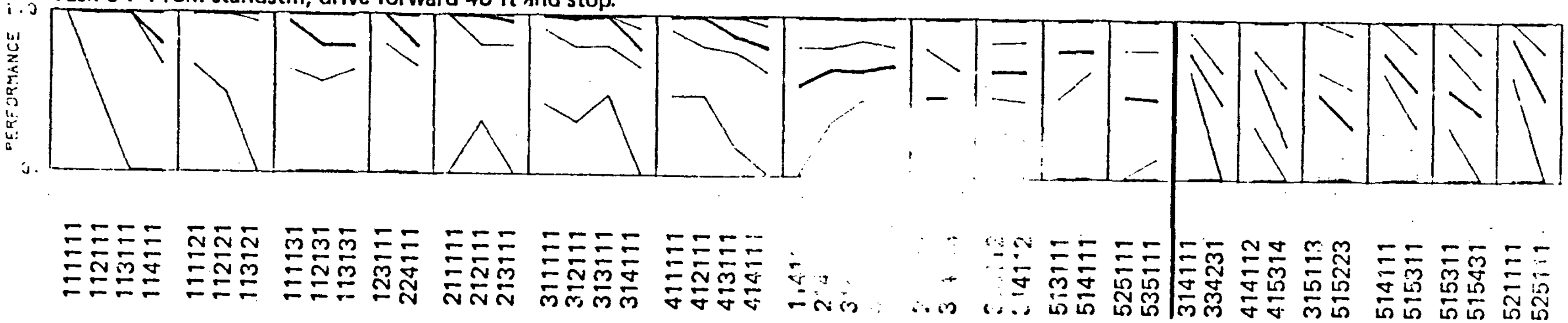


Figure C.14. Single symptom plots: TOW crew, driver (crew 4, position 3).

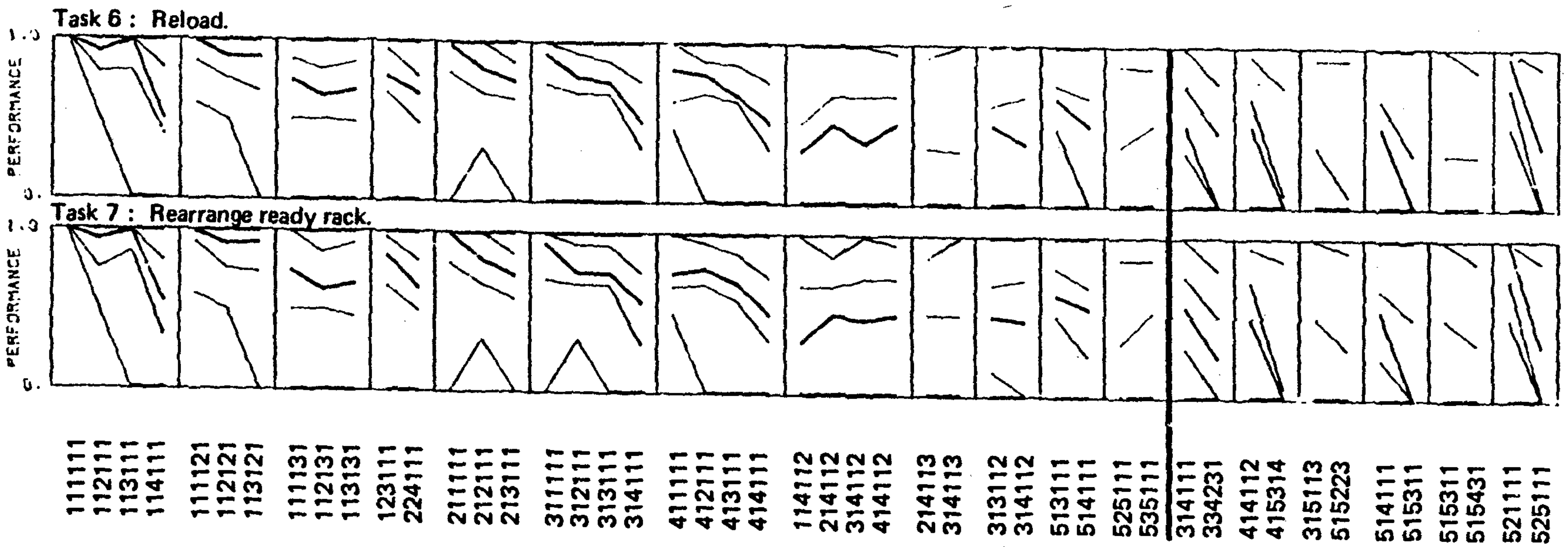


Figure C.15. Single symptom plots: TOW crew, loader (crew 4, position 4).

## Appendix D

## RETURNS FROM REJECTED RESPONDENTS' QUESTIONNAIRES

The format for the sheets in this appendix is the same as the format used in Appendix A.

Each sheet of this appendix contains the returns from the questionnaire of one of the 21 respondents who were rejected because their answers were not responsive. The nature of those unresponsive answers was described in Sec. 2, and is summarized in the table below.

Table D.1. Unresponsive answers.

| Respondent Number | Percent Noncompliant | Percent Extremes | Percent Excessive Consistency | Percent Combined | Percent Reversals[a] |
|---|---|---|---|---|---|
| 106 | | 45 | | | 40[b] |
| 108 | | 19 | 54 | 73[b] | |
| 113 | 5 | 81[b] | | 86 | |
| 115 | | 47 | 47 | 94[b] | |
| 121 | 10 | 55 | 16 | 81[b] | |
| 124 | 97[b] | | | | |
| 138 | | 26 | | | 40[b] |
| 218 | | 30 | 48 | 78[b] | |
| 232 | | | | | 43[b] |
| 237 | | | | | 47[b] |
| 238 | | | | | 43[b] |
| 301 | | 99[b] | | | |
| 303 | | | 95[b] | | |
| 304 | | 91[b] | | | |
| 307 | | 53 | 31 | 84[b] | |
| 309 | | 43 | 39 | 82[b] | |
| 312 | | | | | 38[b] |
| 316 | | 29 | 62 | 91[b] | |
| 338 | | 22 | 67 | 89[b] | |
| 403 | | 38 | 20 | 58[c] | 28[c] |
| 438 | | | | | 49[b] |

[a]Fifty percent = random.

[b]Grounds for rejection.

[c]Rejected for combined causes plus reversals.

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DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 78 | 4 |
| MO | 3020 | GUNNER : | | |
| IN ARMY | :10YR | AS.GUNNER : | | |
| IN ARTILLERY | :10YR | LOADER : | | |

| | | WHEN |
|---|---|---|
| COMBAT | :N | |
| ARTIL. COMBAT | :N | |

#SUPERVISED : 5

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | | |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SNAH INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 5 | 7 | 7 | 7 | 5 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 | 6 | 411111 | 3 | 20 | 35 | 8 | 17 | 10 | 12 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 3 | 0 | 0 |
| 1 | 6 | 515431 | 4 | 50 | 60 | 4 | 4 | 5 | 16 | 12 | 9 | 10 | 10 | 8 | 20 | 10 | 6 | 4 | 2 | 6 |
| 1 | 6 | 114111 | 3 | 30 | 45 | 4 | 4 | 3 | 12 | 0 | 0 | 0 | 0 | 5 | 8 | 0 | 4 | 3 | 0 | 6 |
| 1 | 6 | 515311 | 3 | 50 | 60 | 3 | 3 | 3 | 20 | 12 | 15 | 18 | 15 | 18 | 29 | 10 | 9 | 6 | 5 | 9 |
| 1 | 6 | 213111 | 3 | 50 | 60 | 2.5 | 2.5 | 3 | 25 | 9 | 16 | 16 | 17 | 17 | 30 | 14 | 9 | 7 | 5 | 7 |
| 1 | 6 | 413111 | 3 | 60 | 60 | 2 | 2 | 2 | 22 | 90 | 16 | 16 | 14 | 12 | 39 | 20 | 15 | 6 | 6 | 12 |
| 1 | 6 | 311111 | 3 | 30 | 40 | 3 | 5 | 3 | 7 | 16 | 14 | 14 | 14 | 9 | 4 | 8 | 5 | 3 | 3 | 6 |
| 1 | 6 | 313111 | 2 | 30 | 35 | 2 | 3 | 4 | 8 | 16 | 14 | 14 | 14 | 9 | 15 | 0 | 4 | 3 | 0 | 6 |
| 1 | 6 | 515223 | 4 | -1 | -1 | 1 | 1 | 1 | 90 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 6 | 414112 | 3 | 60 | 60 | 1 | 1 | 1 | 12 | 60 | 45 | 45 | 45 | 45 | -1 | -1 | 40 | 50 | 30 | 30 |
| 1 | 6 | 535111 | 3 | -1 | -1 | 0.5 | 0.5 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 60 | 60 | 30 | 30 |
| 1 | 6 | 112111 | 4 | 0 | 0 | 8 | 15 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 6 | 514111 | 3 | 60 | -1 | 1.5 | 2 | 1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 30 | 20 | 30 |
| 1 | 6 | 315113 | 3 | -1 | -1 | -1 | -1 | 1 | 40 | 50 | 50 | 40 | 40 | 40 | 60 | 30 | 20 | 10 | 7 | 9 |
| 1 | 6 | 513111 | 3 | 30 | 40 | 3 | 3 | 3 | 12 | 12 | 21 | 14 | 21 | 9 | 18 | 10 | 10 | 12 | 0 | 9 |
| 1 | 6 | 123111 | 3 | 0 | 60 | 3 | 4 | 4 | 12 | 6 | 10 | 10 | 10 | 6 | 8 | 0 | 0 | 0 | 0 | 0 |
| 1 | 6 | 334231 | 2 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 6 | 113111 | 2 | 0 | 0 | 4 | 6 | 5 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 6 | 521111 | 3 | 40 | 60 | 2 | 3 | 3 | 9 | 9 | 13 | 13 | 9 | 9 | 6 | 8 | 0 | 3 | 0 | 6 |
| 1 | 6 | 211111 | 2 | 19 | 30 | 5 | 6 | 4 | 15 | 6 | 0 | 0 | 0 | 5 | 8 | 0 | 0 | 0 | 0 | 0 |
| 1 | 6 | 224111 | 3 | 30 | 60 | 3 | 2 | 3 | 35 | 9 | 14 | 14 | 14 | 9 | -1 | 10 | 6 | 4 | 0 | 9 |
| 1 | 6 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 6 | 214131 | 2 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 6 | 112121 | 3 | 0 | 0 | 4 | 6 | 4 | 12 | 10 | 14 | 14 | 14 | 9 | 10 | 7 | 0 | 0 | 0 | 0 |

I HAVE BEEN A ASEMLER IN SPEAIL WEAPON FOR LAST YEAR

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | | |
| MOS | :13B MS | GUNNER | : 8 82 | 4 |
| IN ARMY | : 3YR 10MO | AS.GUNNER | : | |
| IN ARTILLERY | : 3YR 10 | LOADER | : | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 5 | | |

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | GUNNER: TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | AST.GUNNER: ELEV LEVEL | LOADER: LIFT PROJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 8 | 411111 | 4 | 30 | 30 | 5 | 15 | 30 | 30 | 7 | 10 | 0 | 0 | 7 | 6 | 0 | 5 | 2 | 4 | 10 |
| 1 8 | 515431 | 4 | 30 | 40 | 7 | 15 | 20 | 20 | 20 | 15 | 0 | 0 | 7 | 5 | 10 | 10 | 3 | 3 | 5 |
| 1 8 | 114111 | 4 | 45 | 60 | 2 | 5 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 10 | 7 | 5 | 3 | 3 | 10 |
| 1 8 | 515311 | 4 | 40 | 40 | 3 | 10 | 10 | 10 | 7 | 12 | 14 | 10 | 5 | 10 | 10 | 0 | 2 | 0 | 5 |
| 1 8 | 213111 | 4 | 40 | 45 | 5 | 10 | 7 | 10 | 15 | 15 | 15 | 15 | 15 | 20 | 30 | 10 | 5 | 5 | 10 |
| 1 8 | 413111 | 4 | 20 | 40 | 4 | 10 | 7 | 10 | 5 | 10 | 10 | 14 | 7 | 9 | 8 | 5 | 3 | 3 | 4 |
| 1 8 | 311111 | 4 | 30 | 40 | 7 | 15 | 7 | 8 | 30 | 10 | 20 | 10 | 10 | 10 | 15 | 6 | 3 | 3 | 6 |
| 1 8 | 313111 | 4 | 30 | 40 | 5 | 10 | 5 | 10 | 10 | 8 | 14 | 14 | 5 | 4 | 7 | 4 | 2 | 2 | 999 |
| 1 8 | 515223 | 4 | 20 | 30 | 5 | 10 | 6 | 8 | 10 | 0 | 0 | 0 | 5 | 5 | 10 | 6 | 3 | 3 | 6 |
| 1 8 | 414112 | 4 | 30 | 40 | 5 | 10 | 7 | 5 | 7 | 10 | 10 | 10 | 5 | 4 | 9 | 5 | 3 | 3 | 6 |
| 1 8 | 535111 | 4 | 30 | 40 | 7 | 10 | 8 | 10 | 5 | 14 | 14 | 14 | 6 | 5 | 10 | 4 | 3 | 3 | 6 |
| 1 8 | 112111 | 4 | 20 | 25 | 7 | 15 | 10 | 10 | 6 | 9 | 0 | 9 | 0 | 3 | 0 | 0 | 0 | 3 | 0 |
| 1 8 | 521111 | 4 | 20 | 45 | 7 | 10 | 7 | 10 | 6 | 14 | 14 | 14 | 6 | 4 | 10 | 4 | 3 | 3 | 6 |
| 1 8 | 113111 | 4 | 30 | 40 | 6 | 10 | 7 | 8 | 0 | 0 | 0 | 0 | 6 | 4 | 10 | 4 | 3 | 0 | 6 |
| 1 8 | 334231 | 4 | 30 | 40 | 4 | 2 | 4 | 10 | 10 | 15 | 14 | 14 | 6 | 4 | 10 | 4 | 3 | 3 | 6 |
| 1 8 | 123111 | 4 | 20 | 40 | 10 | 15 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1 8 | 513111 | 4 | 20 | 40 | 7 | 10 | 8 | 8 | 6 | 10 | 10 | 14 | 6 | 4 | 10 | 4 | 3 | 3 | 6 |
| 1 8 | 315113 | 4 | -1 | -1 | 2 | 3 | 2 | 8 | 7 | 14 | 14 | 14 | 7 | -1 | 10 | 4 | 3 | 3 | 6 |
| 1 8 | 214131 | 4 | 30 | 40 | 7 | 7 | 8 | 8 | 6 | 14 | 14 | 14 | 7 | 4 | 10 | 4 | 3 | 4 | 6 |
| 1 8 | 514111 | 4 | -1 | -1 | 2 | 2 | 3 | 8 | 7 | 13 | 13 | 13 | 5 | 10 | 10 | 4 | 3 | 4 | 6 |
| 1 8 | 112121 | 4 | 30 | 40 | 6 | 5 | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 5 | 0 | 0 | 6 |
| 1 8 | 211111 | 4 | 20 | 20 | 6 | 7 | 6 | 7 | 4 | 8 | 8 | 8 | 4 | 6 | 10 | 0 | 0 | 0 | 6 |
| 1 8 | 224111 | 3 | 40 | 40 | 5 | 6 | 7 | 8 | 8 | 14 | 14 | 14 | 6 | 5 | 10 | 0 | 0 | 0 | 6 |
| 1 8 | 415314 | 4 | 30 | 40 | 6 | 4 | 8 | 8 | 6 | 14 | 14 | 14 | 6 | 4 | 10 | 5 | 4 | 4 | 6 |

DURING THE PAST YEAR I HAVE BEEN THE CHIEF OF A M10343S.P. AND HAV E HAD ANYWERE FROM 4 TO 8 MEN WORKING FOR ME.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE :E-5 | | CH.OF SECTION: | 79 | 3 |
| MOS :13P20 | | GUNNER : | 78 | 1 |
| IN ARMY : 8YR | | AS.GUNNER : | 76 | 2 |
| IN ARTILLERY : 8YR | | LOADER : | 74 | 1 6 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 5

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PROJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 13 | 411111 | 4 | 25 | 0 | 4 | 160 | 5 | 5 | 6 | 0 | 0 | 0 | 5 | 4 | 0 | 3 | 3 | 0 | 4 |
| 1 | 13 | 515431 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 13 | 114111 | 4 | 0 | 0 | 3 | 140 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 1 | 13 | 515311 | 4 | -1 | -1 | -1 | 10 | -1 | 15 | 4 | 0 | 10 | 0 | 5 | 0 | 0 | 0 | 2 | 0 | 0 |
| 1 | 13 | 213111 | 4 | 0 | 0 | 5 | 80 | 10 | 5 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 2 | 0 | 0 |
| 1 | 13 | 415111 | 4 | 25 | 30 | 4 | 30 | 7 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 3.5 | 0 | 0 | 0 |
| 1 | 13 | 311111 | 4 | 0 | 0 | 5 | 60 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 313111 | 4 | 0 | 25 | 4 | 45 | 7 | 3 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 0 | 0 | 0 | 10 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 13 | 414112 | 4 | -1 | -1 | 1 | 10 | 1 | 10 | 10 | 0 | 10 | 0 | 10 | -1 | 15 | -1 | 6 | 3 | -1 |
| 1 | 13 | 535111 | 4 | 30 | -1 | 1 | 10 | -1 | 5 | 10 | 0 | 10 | 0 | 8 | 10 | 10 | 4 | 2 | 2 | 5 |
| 1 | 13 | 112111 | 4 | 0 | 0 | 8 | 120 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 514111 | 4 | 20 | 30 | 2 | 30 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 0 |
| 1 | 13 | 313112 | 4 | 30 | 30 | 3 | 15 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 2 | 2 | 0 |
| 1 | 13 | 315113 | 4 | -1 | -1 | 1 | 10 | 1 | 4 | 5 | 0 | 10 | 0 | 8 | 0 | 0 | 4 | 3 | 2 | 4 |
| 1 | 13 | 313111 | 4 | 25 | 30 | 2 | 15 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 123111 | 4 | 0 | 0 | 2 | 15 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 13 | 113111 | 4 | 0 | 0 | 3 | 120 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 521111 | 4 | 30 | 30 | 2 | 15 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| 1 | 13 | 113121 | 4 | 0 | 0 | 4 | 45 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 211111 | 4 | 0 | 0 | 2 | 30 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 224111 | 4 | 30 | 35 | 2 | 15 | 3 | 4 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 2 | 2 | 0 |
| 1 | 13 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 13 | 312111 | 4 | 0 | 0 | 2 | 30 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 314112 | 4 | 0 | 0 | 2 | 20 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 314113 | 4 | 20 | 25 | 2 | 10 | 4 | 4 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 3 | 0 | 0 | 0 |
| 1 | 13 | 412111 | 4 | 0 | 0 | 3 | 30 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 414111 | 4 | 20 | 25 | 2 | 15 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 13 | 525111 | 4 | 20 | 30 | 2 | 10 | 4 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 2 | 0 |

SUPERVISING THE PEOPLE IN MY SECTION, KEEPING A SAFE GUN

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | CH.OF SECTION: | 1 2 | 10 |
| MOS | :13B30 | GUNNER : | | |
| IN ARMY | : 8YR | AS.GUNNER : | | |
| IN ARTILLERY | : 4YR | LOADER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS: CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 15 | 411111 | 0 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 15 | 515431 | 0 | -1 | 40 | 999 | 999 | 999 | 20 | -1 | 14 | 10 | 0 | 8 | -1 | 10 | 0 | 0 | 0 | 6 |
| 1 15 | 114111 | 9 | 25 | 30 | 999 | 999 | 999 | 999 | 0 | 0 | 9 | 0 | 0 | 5 | 0 | 4 | 0 | 0 | 5 |
| 1 15 | 515311 | 3 | -1 | -1 | 999 | 999 | 999 | 999 | 10 | 9 | 9 | 8 | 7 | 10 | 8 | 6 | 3 | 0 | 4 |
| 1 15 | 213111 | 5 | 20 | 30 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 8 | 6 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 15 | 413111 | 5 | 20 | 25 | 999 | 999 | 999 | 999 | 5 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| 1 15 | 311111 | 5 | 5 | 10 | 5 | 999 | 999 | 999 | 4 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 15 | 313111 | 3 | 5 | 10 | 999 | 999 | 999 | 999 | 3 | 2 | 2 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 2 |
| 1 15 | 515223 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 15 | 414112 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 7 | 7 | 3 | 3 | 3 | -1 | 5 | 4 | 1.5 | 1.5 | 3 |
| 1 15 | 535111 | 5 | -1 | -1 | 999 | 999 | 999 | 999 | 7 | 7 | 7 | 7 | 6 | -1 | 3 | -1 | 1.5 | 1.5 | 6 |
| 1 15 | 112111 | 5 | 2 | 2 | 999 | 999 | 999 | 999 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| 1 15 | 514111 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 3 | 7 | 7 | 7 | 7 | -1 | 5 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 313112 | 3 | 5 | 5 | 999 | 999 | 999 | 999 | 3 | 7 | 7 | 7 | 3 | 4 | 2 | 4 | 1.5 | 1.5 | 6 |
| 1 15 | 315113 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 15 | 513111 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 4 | 6 | 6 | 5 | 3 | 4 | 2 | 4 | 1.5 | 1.5 | 6 |
| 1 15 | 123111 | 3 | 2 | 5 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 15 | 334231 | 5 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 15 | 113111 | 5 | 2 | 2 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 |
| 1 15 | 521111 | 5 | 2 | 5 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 1.5 | 1.5 | 6 |
| 1 15 | 113121 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 3 | 7 | 7 | 7 | 6 | -1 | 5 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 211111 | 3 | 2 | 5 | 999 | 999 | 999 | 999 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 224111 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 3 | 7 | 7 | 7 | 3 | -1 | 5 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 415310 | 5 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 15 | 312111 | 3 | 2 | 5 | 999 | 999 | 999 | 999 | 3 | 0 | 7 | 0 | 3 | 4 | 0 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 314112 | 3 | 2 | 5 | 999 | 999 | 999 | 999 | 3 | 3 | 3 | 0 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 314113 | 5 | -1 | -1 | 999 | 999 | 999 | 999 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 15 | 412111 | 4 | 2 | 5 | 999 | 999 | 999 | 999 | 0 | 0 | 3 | 0 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 414111 | 4 | 2 | 5 | 999 | 999 | 999 | 999 | 0 | 0 | 3 | 0 | 3 | 2 | 2 | 2 | 1.5 | 1.5 | 6 |
| 1 15 | 525111 | 4 | -1 | -1 | 999 | 999 | 999 | 999 | 6 | 7 | 7 | 7 | 3 | -1 | 5 | 4 | 1.5 | 1.5 | 6 |

DURING THE PAST YEAR I HAVE BEEN AMMO SECTION CHIEF AND HOWITZER SECTION CHIEF

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | | 6 |
| MOS | :13B | GUNNER : | 81 | 1 |
| IN ARMY | : 3YR 9MO | AS.GUNNER : | | 5 |
| IN ARTILLERY : | | LOADER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 10

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: CH.SECT: CALL QUAD ELEV | GUNNER: SET DEF | TRAV LEVEL | AST.GUNNER: SET QUAD ELEV | ELEV LEVEL | LOADER: LIFT PRJCTL | POS OP RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 21 | 411111 | 3 | 5 | 10 | 4 | 35 | 3 | 20 | 0 | 0 | 0 | 0 | 10 | 5 | 0 | 3 | 3 | 2 | 0 |
| 1 21 | 515431 | 2 | -1 | -1 | 1 | 20 | 2 | 10 | -1 | 10 | 10 | 0 | 10 | -1 | 5 | 3 | 2 | -1 | -1 |
| 1 21 | 114111 | 3 | 30 | 25 | 1 | 25 | 3 | 20 | 5 | 0 | 10 | 0 | 10 | -1 | 10 | 5 | 2 | 2 | 5 |
| 1 21 | 515311 | 2 | -1 | -1 | 1 | 10 | 1 | 25 | 5 | 0 | 5 | 0 | 5 | -1 | -1 | 5 | 3 | -1 | -1 |
| 1 21 | 215111 | 3 | 0 | 15 | 3 | 40 | 3 | 20 | 2 | 0 | 0 | 0 | 5 | 10 | 0 | 3 | 1 | 2 | 5 |
| 1 21 | 413111 | 3 | 0 | 5 | 3 | 3 | 3 | 25 | 2 | 0 | 0 | 0 | 2 | 5 | 2 | 3 | 2 | 0 | 0 |
| 1 21 | 311111 | 3 | 5 | 15 | 2 | 45 | 2 | 15 | 4 | 3 | 3 | 0 | 0 | 5 | 0 | 3 | 2 | 0 | 0 |
| 1 21 | 313111 | 2 | -1 | -1 | 2 | 30 | 3 | 20 | 5 | 0 | 0 | 0 | 5 | -1 | 5 | -1 | 5 | 3 | 7 |
| 1 21 | 515223 | 1 | -1 | -1 | 1 | 10 | 2 | 25 | 10 | 10 | 10 | 5 | 15 | -1 | -1 | -1 | 10 | 5 | -1 |
| 1 21 | 414112 | 3 | -1 | -1 | 2 | 20 | 2 | 20 | 0 | 0 | 0 | 0 | 5 | 10 | 5 | 3 | 3 | 0 | 7 |
| 1 21 | 535111 | 3 | -1 | 20 | 3 | 25 | 3 | 15 | 5 | 0 | 10 | 0 | 10 | -1 | 5 | 3 | 2 | 0 | 7 |
| 1 21 | 112111 | 3 | 5 | 5 | 4 | 60 | 4 | 7 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 2 | 0 | 0 |
| 1 21 | 514111 | 2 | 15 | 20 | 3 | 50 | 3 | 20 | 5 | 0 | 0 | 0 | 5 | 10 | 5 | 5 | 1 | 2 | 5 |
| 1 21 | 313112 | 2 | -1 | -1 | 1 | 20 | 2 | 20 | 3 | 0 | 0 | 0 | 2 | -1 | 0 | 3 | 2 | 0 | 4 |
| 1 21 | 315113 | 2 | -1 | -1 | 1 | 10 | 1 | 20 | 4 | 5 | 5 | 5 | 10 | -1 | 5 | 5 | 3 | 4 | 5 |
| 1 21 | 515111 | 3 | 15 | 15 | 2 | 45 | 3 | 15 | 6 | 0 | 0 | 0 | 4 | 10 | 5 | 2 | 3 | 0 | 0 |
| 1 21 | 123111 | 3 | 5 | 5 | 2 | 70 | 3 | 8 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 2 | 0 | 0 |
| 1 21 | 334231 | 9 | -1 | -1 | 2 | 55 | 2 | 10 | 10 | 0 | 0 | 0 | 5 | 10 | 0 | 5 | 2 | 3 | 5 |
| 1 21 | 113111 | 3 | 0 | 10 | 3 | 120 | 4 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 1 | 0 | 0 |
| 21 | 521111 | 3 | 10 | 5 | 2 | 35 | 3 | 10 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |
| 1 21 | 113121 | 3 | 10 | 10 | 2 | 45 | 3 | 15 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 3 | 0 | 0 | 0 |
| 1 21 | 211111 | 3 | 10 | 5 | 3 | 35 | 2 | 12 | 0 | 0 | 0 | 0 | 2 | -1 | 0 | 0 | 0 | 0 | 0 |
| 1 21 | 224111 | 2 | -1 | -1 | 1 | 50 | 2 | 10 | 0 | 5 | 10 | 5 | 10 | 10 | 0 | 3 | 0 | 0 | 0 |
| 1 21 | 415314 | 1 | -1 | -1 | 1 | 5 | 1 | 40 | 10 | 5 | -1 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 21 | 312111 | 3 | 20 | 15 | 3 | 80 | 2 | 20 | 0 | 0 | 0 | 0 | 5 | 10 | 0 | 0 | 0 | 0 | 0 |
| 1 21 | 314112 | 2 | -1 | -1 | 1 | 15 | 1 | 30 | 999 | -1 | -1 | -1 | -1 | -1 | 10 | 5 | -1 | -1 | -1 |
| 1 21 | 314113 | 2 | -1 | -1 | 1 | 10 | 1 | 40 | 10 | 10 | 10 | 10 | 10 | 15 | 5 | 4 | 5 | 0 | 5 |
| 1 21 | 412111 | 3 | 10 | 5 | 2 | 70 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 1 21 | 414111 | 3 | -1 | -1 | 1 | 60 | 2 | 15 | 999 | 10 | 10 | 5 | 10 | 15 | 0 | 0 | 0 | 0 | 0 |
| 1 21 | 525111 | 3 | -1 | -1 | 2 | 40 | 3 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | 10 | 0 | 0 | 0 | 0 |

I HAVEN'T REALLY HAD ANY. MOST OF THE TIMES THIS PAST YEAR I HAVE BEEN MOVED AROUND A LOT.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 10 82 | |
| MOS | :13B20 | GUNNER : | | 2 |
| IN ARMY | : 6YR 0MO | AS.GUNNER : | | 1 |
| IN ARTILLERY | : 6YR | LOADER : | | |

WHEN

COMBAT :N

ARTIL. COMBAT:N

#SUPERVISED : 5

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)
888=UNSPECIFIED TIME, BUT LONGER THAN USUAL TIME

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW | RESP | SYMP COMP | | LOW CLIMB SLIPS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCTL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 3 |
| 1 | 24 | 411111 | 9 | 20 | 0 | 4 | 3 | 2 | 2 | 3 | 3 | 0 | 0 | 6 | 4 | 3 | 5 | 3 | 1 | 2 |
| 1 | 24 | 515431 | 9 | 888 | 888 | 2 | 2 | 2 | 2 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 114111 | 9 | 888 | 888 | 1 | 1 | 1 | 1 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 515311 | 9 | 999 | 999 | 2 | 1 | 2 | 1 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 213111 | 9 | 888 | 0 | 2 | 1 | 1 | 2 | 888 | 888 | 888 | 0 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 413111 | 9 | 888 | 888 | 1 | 1 | 1 | 1 | 0 | 888 | 888 | 0 | 888 | 0 | 888 | 0 | 888 | 888 | 888 |
| 1 | 24 | 311111 | 9 | 0 | 0 | 3 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 888 | 888 | 0 | 888 |
| 1 | 24 | 313111 | 9 | 888 | 888 | 3 | 2 | 1 | 3 | 888 | 888 | 0 | 888 | 0 | 888 | 888 | 888 | 0 | 888 | 0 |
| 1 | 24 | 515223 | 1 | 888 | 888 | 1 | 1 | 1 | 1 | 888 | 888 | 0 | 888 | 888 | 0 | 888 | 0 | 888 | 888 | 888 |
| 1 | 24 | 414112 | 9 | 888 | 888 | 2 | 2 | 1 | 2 | 888 | 888 | 0 | 0 | 888 | 0 | 0 | 888 | 0 | 888 | 888 |
| 1 | 24 | 535111 | 9 | 0 | 888 | 1 | 2 | 2 | 1 | -1 | -1 | -1 | -1 | 888 | -1 | 888 | -1 | -1 | -1 | -1 |
| 1 | 24 | 112111 | 9 | 888 | 888 | 2 | 10 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 888 | 888 | 0 | 0 | 888 |
| 1 | 24 | 514111 | 9 | 888 | 888 | 2 | 15 | 1 | 5 | 888 | 888 | 888 | 888 | 888 | 888 | 0 | 888 | 0 | 0 | 0 |
| 1 | 24 | 313112 | 9 | 888 | 888 | 2 | 18 | 2 | 10 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 315113 | 9 | 888 | -1 | 1 | 30 | 1 | 25 | -1 | -1 | -1 | -1 | 888 | 888 | 888 | -1 | 888 | -1 | 888 |
| 1 | 24 | 513111 | 9 | 888 | 888 | 2 | 10 | 1 | 5 | 888 | 888 | 888 | 888 | 888 | 0 | 888 | 888 | 0 | 0 | 0 |
| 1 | 24 | 123111 | 9 | 888 | 888 | 3 | 20 | 2 | 10 | 888 | 0 | 0 | 0 | 888 | 888 | 0 | 888 | 0 | 0 | 0 |
| 1 | 24 | 334231 | 9 | 888 | -1 | 2 | 10 | 1 | 10 | 888 | 888 | 888 | 888 | 888 | -1 | 888 | 888 | 0 | 0 | 888 |
| 1 | 24 | 113111 | 9 | 0 | 0 | 3 | 20 | 1 | 18 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 0 | 0 | 0 |
| 1 | 24 | 521111 | 9 | 888 | 0 | 2 | 10 | 2 | 18 | 888 | 0 | 0 | 0 | 0 | 888 | 888 | 888 | 0 | 0 | 0 |
| 1 | 24 | 113121 | 9 | 888 | 0 | 2 | 15 | 1 | 20 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 211111 | 9 | 888 | 888 | 2 | 15 | 2 | 20 | 0 | 0 | 0 | 0 | 0 | 888 | 888 | 888 | 0 | 0 | 0 |
| 1 | 24 | 224111 | 9 | 888 | 888 | 2 | 10 | 1 | 10 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 0 | 0 | 0 | 0 |
| 1 | 24 | 415314 | 9 | 888 | -1 | 2 | 10 | 1 | 10 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 | 24 | 312111 | 9 | 888 | 888 | 2 | 15 | 2 | 15 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 |
| 1 | 24 | 314112 | 9 | -1 | -1 | 2 | 15 | 1 | 15 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 0 | 0 | 0 | 0 |
| 1 | 24 | 314113 | 9 | 888 | 888 | 2 | 20 | 1 | 30 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 0 | 0 | 0 | 0 |
| 1 | 24 | 412111 | 9 | 888 | 888 | 3 | 20 | 2 | 10 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 888 | 0 | 0 |
| 1 | 24 | 414111 | 9 | -1 | -1 | 2 | 10 | 2 | 20 | 888 | 888 | 888 | 888 | 888 | -1 | -1 | 888 | 888 | 888 | 888 |
| 1 | 24 | 525111 | 9 | -1 | -1 | 1 | 15 | 1 | 30 | 888 | 888 | 888 | 888 | 888 | -1 | 888 | 888 | 0 | 0 | 0 |

KOREA 80-81,MARCH/ ARMY TAMHS 80, I WAS PROMOTED TO CPL. FROM PFC ON JUNE 81, PNCOC AUG 81,BNCOC OCT. 81,GUNNER FT. RILEY KA. NOV. 81, CHIEF OF SECTION SEPT. 82, OCT.82 SOI. INSTRUCTION

| DEMOGRAPHIC DATA | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-5 | CH.OF SECTION: | 9 82 | 2 |
| MOS | :13B30 | GUNNER : | 6 81 | 1 3 |
| IN ARMY | : 3YR | AS.GUNNER : | | |
| IN ARTILLERY | : 3YR | LOADER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 10*

155 S.P. GUN CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | CH.SECT | GUNNER | | AST.GUNNER | | LOADER | | | | | |
| CREW RESP | SIMP COMP | COD | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CALL QUAD ELEV | SET DEF | TRAV LEVEL | SET QUAD ELEV | ELEV LEVEL | LIFT PRJCIL | POS OF RAMMER | PLACE CHARGE | INS PRIM | FIRE | SWAB INSPECT |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 3 | 7 | 7 | 7 | 3 | 2 | 5 | 2 | 1.5 | 1.5 | 5 |
| 1 38 | 411111 | 4 | 40 | 50 | 4 | 40 | 30 | 30 | 15 | 10 | 10 | 10 | 7 | 5 | 8 | 5 | 4 | 0 | 4 |
| 1 38 | 515031 | 4 | 35 | 45 | 2 | 15 | 6 | 30 | 25 | 15 | 15 | 15 | 15 | 15 | 13 | 10 | 7 | 2.5 | 6 |
| 1 38 | 114111 | 4 | 30 | 40 | 2 | 3 | 10 | 20 | 13 | 16 | 16 | 16 | 8 | 20 | 15 | 8 | 4.5 | 3.5 | 9 |
| 1 38 | 515311 | 4 | 45 | 60 | 1 | 2 | 5 | 20 | 25 | 25 | 25 | 25 | 25 | -1 | 25 | 25 | 2 | 20 | 18 |
| 1 38 | 213111 | 3 | 25 | 35 | 6 | 25 | 29 | 10 | 10 | 9 | 9 | 9 | 5 | 4 | 7 | 4 | 3.5 | 3.5 | 5 |
| 1 38 | 413111 | 2 | 30 | 40 | 3 | 10 | 13 | 45 | 7 | 11 | 11 | 11 | 11 | 13 | 10 | 10 | 7 | 7 | 10 |
| 1 38 | 311111 | 2 | 26 | 31 | 7 | 30 | 30 | 15 | 5 | 0 | 0 | 0 | 0 | 4 | 7 | 4 | 2.5 | 2 | 5 |
| 1 38 | 313111 | 2 | 25 | 30 | 7 | 15 | 13 | 18 | 7 | 0 | 9 | 0 | 5 | 5 | 6 | 5 | 3 | 0 | 4 |
| 1 38 | 515223 | 3 | 50 | 60 | 1 | 2 | 5 | 30 | 30 | 15 | 15 | 15 | 15 | -1 | 20 | 20 | 15 | 7 | 15 |
| 1 38 | 414112 | 3 | 25 | 30 | 7 | 15 | 15 | 15 | 15 | 20 | 20 | 20 | 15 | 11 | 11 | 8 | 3 | 0 | 8 |
| 1 38 | 535111 | 3 | 45 | 50 | 2 | 10 | 10 | 30 | 25 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 10 | 5 | 15 |
| 1 38 | 112111 | 4 | 20 | 25 | 8 | 30 | 20 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| 1 38 | 514111 | 3 | 30 | 30 | 6 | 15 | 25 | 19 | 5 | 9 | 9 | 9 | 6 | 4 | 7 | 5 | 3 | 3 | 7 |
| 1 38 | 313112 | 3 | 20 | 30 | 5 | 10 | 9 | 19 | 10 | 15 | 15 | 15 | 15 | 7 | 7 | 4 | 3.5 | 2 | 7 |
| 1 38 | 315113 | 2 | 30 | 40 | 2 | 7 | 10 | 19 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 2.5 | 2 | 8 |
| 1 38 | 513111 | 2 | 30 | 40 | 6 | 15 | 10 | 15 | 10 | 15 | 15 | 15 | 10 | 8 | 15 | 8 | 3 | 0 | 8 |
| 1 38 | 123111 | 3 | 30 | 40 | 6 | 15 | 10 | 20 | 10 | 20 | 20 | 20 | 10 | 8 | 10 | 8 | 5 | 3 | 9 |
| 1 38 | 334231 | 2 | -1 | -1 | 1 | 5 | 6 | 25 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 5 | -1 |
| 1 38 | 113111 | 3 | 20 | 35 | 8 | 30 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 4 | 2 | 0 | 4 |
| 1 38 | 521111 | 3 | 30 | 40 | 6 | 15 | 15 | 20 | 5 | 10 | 10 | 10 | 8 | 8 | 11 | 5 | 4.5 | 2.5 | 6 |
| 1 38 | 113121 | 3 | 30 | 45 | 6 | 10 | 10 | 20 | 12 | 13 | 13 | 13 | 10 | 8 | 10 | 5 | 2.5 | 2.5 | 6 |
| 1 38 | 211111 | 3 | 35 | 45 | 6 | 15 | 10 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 1 38 | 224111 | 3 | 33 | 45 | 6 | 10 | 13 | 20 | 10 | 15 | 15 | 15 | 10 | 4 | 10 | 4 | 2.5 | 2 | 8 |
| 1 38 | 415314 | 2 | -1 | -1 | 1 | 2 | 3 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 38 | 312111 | 3 | 30 | 43 | 6 | 10 | 15 | 20 | 10 | 15 | 15 | 15 | 10 | 9 | 12 | 5 | 3 | 2 | 8 |
| 1 38 | 314112 | 2 | 35 | 45 | 6 | 15 | 10 | 21 | 29 | 20 | 20 | 20 | 15 | -1 | 10 | 12 | 3 | 2 | 8 |
| 1 38 | 314113 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 1 38 | 412111 | 2 | 35 | 40 | 4 | 15 | 12 | 21 | 10 | 15 | 15 | 15 | 10 | 8 | 7 | 8 | 3 | 2 | 6 |
| 1 38 | 414111 | 2 | 30 | 46 | 4 | 10 | 9 | 25 | 20 | 28 | 26 | 28 | 20 | -1 | 20 | 48 | 5 | 4 | 8 |
| 1 38 | 525111 | 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

CURRENTLY WORKING AS HQ FDC CHIEF IN A TACFIRE UNIT. I WAS MANUAL FDC 14 YRS PREVIOUS TO THIS. HAVE WORK EVERY LEVEL FROM BTRY TO DIVARTY USUALLY AS CHIEF OF FDC.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | FDC HCO : | 64 | 2 |
| MOS | :13E40 | FDC COMPUTER : | 66 | 10 |
| IN ARMY | :16YR | | | |
| IN ARTILLERY | :16YR | | | |

WHEN

COMBAT :Y 71

ARTIL. COMBAT:N #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

## FIRE DIRECTION CENTER CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS: FDO | | | HCO | | | COMPUTER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY ORDER | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| 2 18 | 411111 | 3 | 20 | 2 | 5 | 20 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 18 | 515431 | 3 | -1 | -1 | 1 | 1 | 1 | 40 | 3 | 5 | 5 | 10 | 6 | 6 | 25 | 6 |
| 2 18 | 114111 | 3 | 15 | 60 | 3 | 1 | 3 | 30 | 0 | 0 | 0 | 7 | 5 | [illegible] | 20 | 5 |
| 2 18 | 515311 | 3 | 60 | 80 | 1 | 1 | 1 | 30 | 5 | 10 | 6 | 10 | 6 | 6 | 30 | 6 |
| 2 18 | 213111 | 3 | 60 | 80 | 2 | 5 | 2 | 25 | 5 | 8 | 6 | 8 | 6 | 7 | 20 | 10 |
| 2 18 | 413111 | 3 | 60 | 80 | 2 | 3 | 3 | 30 | 0 | 0 | 0 | 7 | 5 | 5 | 0 | 5 |
| 2 18 | 311111 | 3 | 30 | 40 | 4 | 10 | 5 | 30 | 5 | 6 | 5 | 7 | 5 | 5 | 20 | 6 |
| 2 18 | 313111 | 9 | 30 | 60 | 2 | 3 | 3 | 30 | 5 | 7 | 6 | 8 | 6 | 6 | 20 | 6 |
| 2 18 | 515223 | 3 | -1 | -1 | 1 | 1 | 1 | 30 | 6 | 15 | 9 | 15 | 9 | 9 | 30 | 9 |
| 2 18 | 414112 | 3 | 120 | 120 | 1 | 1 | 1 | 30 | 6 | 8 | 6 | 8 | 6 | 6 | 20 | 6 |
| 2 18 | 535111 | 3 | -1 | -1 | 1 | 1 | 1 | 30 | 6 | 8 | 6 | 10 | 6 | 6 | 20 | 6 |
| 2 18 | 112111 | 3 | 30 | 40 | 5 | 10 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 18 | 514111 | 3 | 60 | 80 | 2 | 3 | 2 | 30 | 4 | 8 | 6 | 8 | 6 | 6 | 20 | 6 |
| 2 18 | 313112 | 3 | 60 | 80 | 1 | 3 | 3 | 30 | 5 | 8 | 6 | 8 | 6 | 6 | 18 | 6 |
| 2 18 | 315113 | 9 | -1 | -1 | 1 | 1 | 1 | 30 | 5 | 8 | 6 | 10 | 6 | 6 | 20 | 6 |
| 2 18 | 513111 | 3 | 60 | 80 | 3 | 5 | 3 | 25 | 4 | 7 | 5 | 7 | 5 | 5 | 17 | 15 |
| 2 18 | 123111 | 3 | 60 | 80 | 2 | 3 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 18 | 334231 | 3 | -1 | -1 | 1 | 1 | 1 | 30 | 5 | 8 | 6 | 8 | 6 | 6 | 18 | 6 |
| 2 18 | 113111 | 3 | 20 | 30 | 5 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 18 | 521111 | 3 | 60 | 80 | 3 | 5 | 3 | 25 | 4 | 7 | 5 | 7 | 5 | 5 | 17 | 15 |
| 2 18 | 113121 | 3 | 05 | 60 | 3 | 5 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 18 | 211111 | 3 | 30 | 40 | 4 | 8 | 4 | 25 | 3 | 0 | 4 | 0 | 0 | 4 | 0 | 5 |
| 2 18 | 224111 | 3 | 60 | 80 | 1 | 1 | 1 | 30 | 3 | 0 | 4 | 0 | 0 | 4 | 0 | 5 |
| 2 18 | 415314 | 3 | -1 | -1 | -1 | 1 | 1 | 40 | 6 | 15 | 9 | 15 | 9 | 9 | 30 | 10 |
| 2 18 | 312111 | 3 | 45 | 60 | 3 | 3 | 3 | 30 | 3 | 0 | 4 | 0 | 0 | 4 | 0 | 5 |
| 2 18 | 314112 | 3 | 60 | 60 | 1 | 1 | 1 | 30 | 3 | 0 | 4 | 0 | 0 | 4 | 0 | 5 |
| 2 18 | 314113 | 3 | -1 | -1 | 1 | 1 | 1 | 30 | 7 | 8 | 6 | 8 | 6 | 6 | 18 | 6 |
| 2 18 | 412111 | 3 | 60 | 80 | 2 | 3 | 3 | 30 | 3 | 0 | 4 | 0 | 0 | 4 | 0 | 4 |
| 2 18 | 414111 | 3 | 60 | 80 | 1 | 1 | 1 | 30 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 4 |
| 2 18 | 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 40 | 4 | 10 | 6 | 10 | 6 | 6 | 30 | 6 |

I WAS SECTION CHIEF. I FOLLOWED OR LOOKED OVER AND TAUGHT MY MEN THE CORRECT WAYS TO COMPUTE DATA AND I FIGURED DATA FOR ALL TYPE OF ROUNDS WITH A 105MM FIRING BATTERY.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO : | | |
| MOS | :13F10 | FDC COMPUTER : | 81 | |
| IN ARMY | : 2YR 6MO | | | |
| IN ARTILLERY | : 2YR 6 | | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT:N | | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| CREW RESP / SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS (SELF-STIPULATED VALUES): CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: FDO: SAY MISN | FDO: REVIEW CALC | FDO: SAY ORDER | HCO: PLOT TGT | HCO: ORIENT RDP | HCO: READ RANGE | COMPUTER: CALC D Q | COMPUTER: SAY SET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | 15 | 20 | 10 | 10 | 20 | 5 | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 2 32 525111 | 4 | 35 | 40 | 7 | 3 | 4 | 6 | 15 | 25 | 15 | 11 | 9 | 13 | 20 | 16 |
| 2 32 414111 | 4 | 60 | 45 | 2 | 3 | 3 | 7 | 7 | 10 | 7 | 10 | 5 | 15 | 26 | 30 |
| 2 32 412111 | 4 | 0 | 45 | 4 | 4 | 6 | 5 | 6 | 10 | 10 | 7 | 5 | 6 | 17 | 9 |
| 2 32 314113 | 4 | 55 | 65 | 2 | 1.5 | 3 | 8 | 20 | 30 | 20 | 12 | 7 | 8 | 48 | 50 |
| 2 32 314112 | 4 | 75 | 120 | 1 | 1 | 2 | 8 | 28 | 45 | 33 | 30 | 20 | 58 | 55 | 65 |
| 2 32 312111 | 4 | 10 | 30 | 4 | 4 | 3 | 5 | 8 | 10 | 9 | 8 | 4 | 6 | 0 | 10 |
| 2 32 415314 | 3 | 120 | -1 | 2 | 1 | 2 | 8 | 100 | 120 | 85 | 60 | 15 | 30 | 48 | 85 |
| 2 32 224111 | 4 | 75 | 140 | 3 | 2 | 2 | 7 | 5 | 18 | 10 | 9 | 6 | 10 | 25 | 45 |
| 2 32 211111 | 4 | 25 | 30 | 5 | 4 | 5 | 5 | 5 | 10 | 12 | 8 | 4 | 6 | 17 | 25 |
| 2 32 113121 | 4 | 17 | 22 | 5 | 4 | 6 | 4 | 4 | 10 | 6 | 0 | 0 | 4 | 0 | 5 |
| 2 32 123111 | 4 | 17 | 25 | 3 | 3 | 4 | 3 | 4 | 6 | 4 | 7 | 0 | 8 | 0 | 17 |
| 2 32 334231 | 4 | 30 | 45 | 2 | 2 | 2 | 7 | 15 | 30 | 25 | 13 | 6 | 10 | 25 | 27 |
| 2 32 113111 | 4 | 22 | 45 | 4 | 3 | 3 | 4 | 5 | 10 | 8 | 999 | 999 | 7 | 999 | 15 |
| 2 32 521111 | 4 | 26 | 40 | 4 | 4 | 5 | 7 | 8 | 10 | 8 | 10 | 4 | 11 | 25 | 20 |
| 2 32 513111 | 4 | 45 | 60 | 3 | 3 | 3 | 6 | 4 | 10 | 9 | 7 | 4 | 5 | 27 | 30 |
| 2 32 315113 | 4 | 60 | 120 | 2 | 2 | 2 | 8 | 9 | 17 | 8 | 12 | 4 | 10 | 17 | 10 |
| 2 32 313112 | 4 | 20 | 45 | 4 | 3 | 3 | 7 | 10 | 15 | 12 | 10 | 4 | 12 | 0 | 15 |
| 2 32 514111 | 4 | 60 | 120 | 2 | 1 | 2 | 9 | 10 | 15 | 12 | 20 | 6 | 35 | 45 | 30 |
| 2 32 112111 | 4 | 25 | 35 | 6 | 4 | 4 | 6 | 5 | 10 | 8 | 7 | 0 | 8 | 0 | 10 |
| 2 32 535111 | 4 | 35 | 60 | 3 | 2 | 3 | 7 | 10 | 15 | 20 | 10 | 0 | 10 | 0 | 12 |
| 2 32 414112 | 4 | 20 | 45 | 4 | 3 | 3 | 8 | 10 | 12 | 10 | 8 | 0 | 9 | 0 | 10 |
| 2 32 515223 | 4 | 65 | 120 | 1 | 1 | 2 | 8 | 10 | 17 | 12 | 10 | 5 | 12 | 0 | 12 |
| 2 32 313111 | 4 | 20 | 35 | 4 | 3 | 3 | 8 | 7 | 10 | 7 | 0 | 0 | 10 | 999 | 10 |
| 2 32 311111 | 4 | 20 | 35 | 5 | 4 | 4 | 8 | 6 | 10 | 8 | 0 | 0 | 10 | 0 | 10 |
| 2 32 413111 | 4 | 0 | 40 | 3 | 4 | 4 | 5 | 7 | 10 | 7 | 0 | 0 | 8 | 0 | 8 |
| 2 32 213111 | 3 | 20 | 45 | 3 | 3 | 3 | 5 | 6 | 10 | 6 | 8 | 0 | 10 | 0 | 10 |
| 2 32 515311 | 4 | 20 | 45 | 4 | 3 | 4 | 5 | 8 | 12 | 8 | 7 | 4 | 9 | 0 | 10 |
| 2 32 114111 | 4 | 30 | 65 | 3 | 3 | 3 | 6 | 4 | 10 | 4 | 7 | 0 | 6 | 0 | 10 |
| 2 32 515431 | 4 | 30 | 65 | 2 | 2 | 2 | 5 | 10 | 12 | 10 | 8 | 0 | 9 | 0 | 25 |
| 2 32 411111 | 4 | 0 | 35 | 6 | 4 | 4 | 4 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 10 |

WELL FOR THE LAST 7 MONTHS I HAVE BEEN LEARNING AND STUDYING TACFIRE

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-4 | FDC HCO : | 82 | 6 |
| MOS | :13E10 | FDC COMPUTER : | 82 | 6 |
| IN ARMY | : 2YR 6MO | | | |
| IN ARTILLERY | : 2YR 6 | | | |
| | MTHS | | | |
| COMBAT | :N | | | |
| ARTIL. COORAT | :N | #SUPERVISED : 5 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| CREW RESP | SYMP COMP | CON LE | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: CLIMB STAIRS | ORDINARY TASKS: WALK | ORDINARY TASKS: LIFT BOXES | ORDINARY TASKS: OPEN LOCK | CREW TASKS: FDO: SAY MISN | CREW TASKS: FDO: REVIEW CALC | CREW TASKS: FDO: SAY ORDER | CREW TASKS: HCO: PLOT TGT | CREW TASKS: HCO: ORIENT RDP | CREW TASKS: HCO: READ RANGE | CREW TASKS: COMPUTER: CALC DQ | CREW TASKS: COMPUTER: SA SET |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME, SEC | | | 15 | 20 | 20 | 45 | 5 | 4 | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| | | | | | CONFIDENCE= 3 | | | | | | | | | | | |
| 2 37 | 525111 | 3 | 30 | 300 | 2 | 4 | 2 | 11 | 10 | 15 | 10 | 12 | 7 | 10 | 22 | 9 |
| 2 37 | 414111 | 4 | 20 | 60 | 5 | 9 | 4 | 5 | 5 | 10 | 6 | 7 | 13 | 7 | 19 | 7 |
| 2 37 | 4,2111 | 4 | 20 | 60 | 5 | 4 | 4 | 5 | 5 | 10 | 6 | 7 | 10 | 6 | 18 | 7 |
| 2 37 | 314113 | 4 | 480 | -1 | 1 | 1 | 1 | 8 | 9 | 15 | 11 | 19 | 15 | 12 | 30 | 14 |
| 2 37 | 314112 | 3 | -1 | 990 | 1 | 1 | 1 | 8 | 11 | 15 | 12 | 15 | 15 | 10 | 40 | 15 |
| 2 37 | 312111 | 3 | 20 | 30 | 4 | 4 | 4 | 7 | 9 | 12 | 9 | 12 | 13 | 7 | 23 | 9 |
| 2 37 | 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 15 | 30 | 32 | 15 | 20 | 18 | 20 | 38 | 21 |
| 2 37 | 224111 | 3 | 20 | 60 | 3 | 2 | 2 | 8 | 10 | 9 | 11 | 15 | 11 | 9 | 20 | 9 |
| 2 37 | 211111 | 3 | 19 | 25 | 5 | 5 | 6 | 7 | 6 | 8 | 6 | 8 | 10 | 6 | 18 | 8 |
| 2 37 | 113121 | 3 | 17 | 25 | 5 | 4 | 6 | 7 | 7 | 8 | 7 | 9 | 9 | 6 | 18 | 8 |
| 2 37 | 123111 | 3 | 17 | 24 | 5 | 6 | 6 | 7 | 7 | 8 | 7 | 9 | 8 | 6 | 18 | 6 |
| 2 37 | 334231 | 3 | 60 | -1 | 1 | 1 | 1 | 7 | 2: | 18 | 13 | 17 | 14 | 14 | 32 | 13 |
| 2 37 | 113111 | 3 | 17 | 25 | 5 | 9 | 5 | 7 | 4 | 7 | 5 | 7 | 5 | 5 | 17 | 5 |
| 2 37 | 521111 | 3 | 30 | 40 | 4 | 4 | 5 | 7 | 10 | 15 | 10 | 11 | 11 | 13 | 25 | 15 |
| 2 37 | 513111 | 3 | 34 | 44 | 4 | 1 | 2 | 7 | 12 | 17 | 12 | 14 | 13 | 15 | 28 | 18 |
| 2 37 | 315113 | 3 | -1 | -1 | 1 | 1 | 1 | 7 | 22 | 25 | 26 | 35 | 23 | 23 | 40 | 32 |
| 2 37 | 313112 | 3 | 60 | 45 | 2 | 2 | 2 | 7 | 20 | 26 | 21 | 27 | 24 | 27 | 45 | 22 |
| 2 37 | 514111 | 3 | 40 | 55 | 1 | 1 | 1 | 7 | 2. | 28 | 28 | 29 | 25 | 23 | 43 | 25 |
| 2 37 | 112111 | 4 | 17 | 23 | 4 | 6 | 6 | 7 | 7 | 8 | 7 | 8 | 7 | 8 | 24 | 7 |
| 2 37 | 535111 | 3 | -1 | -1 | 1 | 1 | 1 | 7 | 30 | 32 | [illegible] | 22 | 20 | 23 | 40 | 25 |
| 2 37 | 414112 | 3 | 45 | 60 | 1 | 1 | 1 | 7 | 28 | 30 | 15 | 22 | 21 | 25 | 38 | 25 |
| 2 37 | 515223 | 3 | 40 | -1 | 1 | 1 | 1 | 7 | 30 | 32 | 17 | 25 | 21 | 28 | 40 | 27 |
| 2 37 | 313111 | 3 | 35 | 60 | 1 | 1 | 1 | 7 | 22 | 27 | 29 | 34 | 29 | 28 | 30 | 25 |
| 2 3 | 311111 | 3 | 30 | 38 | 4 | 4 | 3 | 7 | 19 | 23 | 25 | 29 | 25 | 23 | 39 | 24 |
| 2 37 | 413111 | 3 | 30 | 36 | 4 | 3 | 2 | 7 | 22 | 25 | 28 | 27 | 25 | 23 | 35 | 23 |
| 2 37 | 213111 | 3 | 34 | 45 | 5 | 5 | 2 | 7 | 18 | 20 | 21 | 18 | 19 | 19 | 29 | 22 |
| 2 37 | 515311 | 3 | -1 | -1 | -1 | -1 | -1 | 7 | 32 | 38 | 35 | 36 | 37 | 35 | 54 | 34 |
| 2 37 | 114111 | 3 | 29 | 34 | 4 | 5 | 3 | 7 | 15 | 15 | 13 | 13 | 15 | 12 | 20 | 11 |
| 2 37 | 515431 | 3 | -1 | -1 | -1 | -1 | -1 | 7 | 34 | 38 | 35 | 36 | 30 | 31 | 45 | 32 |
| 2 37 | 411111 | 3 | 35 | 60 | 4 | 4 | 3 | 7 | 19 | 22 | 22 | 21 | 20 | 19 | 24 | 20 |

HAVE BEEN TRAINING IN DESERT WARFARE AND TACFIRE, AND HAVE BEEN SUPPORTING THE OFFICER'S ADVANCED TRAINING COURSE, WITH MY EQUIP

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | : | FDC HCO | : | 80 | 6 |
| MOS | :13E10 | FDC COMPUTER | : | 80 | 2 6 |
| IN ARMY | : 3YR | | | | |
| IN ARTILLERY | : 3YR | | | | |
| | WHEN | | | | |
| COMBAT | : | | | | |
| ARTIL. COMBAT | : | #SUPERVISED | : 10 | | |

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

FIRE DIRECTION CENTER CREW

| | | | | ORDINARY TASKS | | | | | | CREW TASKS: FDO | | | HCO | | | COMPUTER | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW | RESP | SYMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | SAY MISN | REVIEW CALC | SAY UPDFR | PLOT TGT | ORIENT RDP | READ RANGE | CALC D Q | SAY SET |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | | 15 | 20 | 4 | 15 | 12 | 5 | 2 | 5 | 3 | 1 | 1 | 3 | 15 | 3 |
| | | | | | | CONFIDENCE= 4 | | | | | | | | | | | |
| 2 | 38 | 525111 | 8 | 30 | 50 | 2 | 5 | 4 | 10 | 10 | 18 | 10 | 15 | 10 | 12 | 20 | 20 |
| 2 | 38 | 414111 | 8 | 80 | 50 | 2 | 9 | 4 | 10 | 10 | 20 | 10 | 15 | 15 | 15 | 20 | 10 |
| 2 | 38 | 412111 | 8 | 80 | 50 | 2 | 8 | 4 | 10 | 10 | 20 | 10 | 15 | 10 | 12 | 999 | 12 |
| 2 | 38 | 314113 | 8 | -1 | -1 | 1 | 2 | 1 | 15 | 20 | 30 | 15 | 25 | 20 | 20 | 18 | 20 |
| 2 | 38 | 314112 | 8 | -1 | -1 | 1 | 5 | 2 | 12 | 20 | 30 | 15 | 20 | 15 | 20 | 20 | 20 |
| 2 | 38 | 312111 | 8 | 18 | 28 | 2 | 10 | 4 | 9 | 12 | 14 | 10 | 15 | 12 | 14 | 19 | 15 |
| 2 | 38 | 415314 | 8 | -1 | -1 | 1 | 3 | 1 | 45 | 30 | 45 | 25 | 50 | 45 | 40 | -1 | -1 |
| 2 | 38 | 224111 | 8 | 25 | 35 | 2 | 5 | 3 | 10 | 12 | 15 | 10 | 14 | 10 | 12 | 30 | 15 |
| 2 | 38 | 211111 | 8 | 20 | 30 | 3 | 7 | 3 | 8 | 10 | 14 | 10 | 15 | 12 | 10 | 20 | 12 |
| 2 | 38 | 113121 | 8 | 20 | 25 | 3 | 6 | 3 | 8 | 12 | 12 | 10 | 14 | 10 | 10 | 20 | 10 |
| 2 | 38 | 123111 | 8 | 22 | 25 | 2 | 5 | 2 | 10 | 12 | 14 | 11 | 14 | 10 | 10 | 21 | 12 |
| 2 | 38 | 334231 | 8 | -1 | -1 | -1 | -1 | -1 | 60 | 55 | 65 | 45 | -1 | -1 | -1 | -1 | -1 |
| 2 | 38 | 113111 | 8 | 20 | 25 | 4 | 10 | 3 | 7 | 8 | 10 | 7 | 10 | 8 | 8 | 17 | 10 |
| 2 | 38 | 521111 | 8 | 20 | 30 | 2 | 7 | 3 | 8 | 10 | 12 | 8 | 14 | 10 | 11 | 18 | 10 |
| 2 | 38 | 513111 | 8 | 25 | 30 | 2 | 7 | 3 | 8 | 10 | 12 | 7 | 14 | 8 | 8 | 18 | 10 |
| 2 | 38 | 315113 | 8 | -1 | -1 | 1 | 2 | 1 | 10 | 10 | 12 | 9 | 14 | 10 | 8 | 18 | 10 |
| 2 | 38 | 315112 | 8 | 20 | 28 | 2 | 6 | 3 | 8 | 10 | 13 | 8 | 14 | 10 | 8 | 20 | 8 |
| 2 | 38 | 514111 | 8 | 20 | 25 | 1 | 6 | 2 | 8 | 10 | 12 | 8 | 14 | 10 | 8 | 18 | 10 |
| 2 | 38 | 112111 | 8 | 17 | 23 | 5 | 13 | 4 | 7 | 6 | 8 | 5 | 10 | 6 | 5 | 16 | 7 |
| 2 | 38 | 535111 | 8 | 25 | 30 | 1 | 5 | 1 | 10 | 10 | 14 | 8 | 12 | 10 | 8 | 18 | 8 |
| 2 | 38 | 414112 | 8 | 25 | 35 | 1 | 2 | 1 | 10 | 12 | 14 | 10 | 15 | 10 | 9 | 20 | 10 |
| 2 | 38 | 515223 | 8 | -1 | -1 | -1 | 1 | 1 | 10 | 12 | 14 | 8 | 13 | 10 | 7 | 18 | 6 |
| 2 | 38 | 313111 | 8 | 10 | 23 | 3 | 6 | 3 | 7 | 10 | 12 | 8 | 12 | 10 | 8 | 17 | 8 |
| 2 | 38 | 311111 | 8 | 20 | 25 | 2 | 5 | 2 | 5 | 10 | 12 | 8 | 14 | 10 | 6 | 16 | 8 |
| 2 | 38 | 413111 | 8 | 25 | 35 | 1 | 8 | 2 | 10 | 10 | 13 | 8 | 14 | 10 | 9 | 19 | 10 |
| 2 | 38 | 213111 | 8 | 25 | 30 | 2 | 8 | 2 | 8 | 10 | 12 | 8 | 14 | 10 | 7 | 18 | 8 |
| 2 | 38 | 515311 | 8 | -1 | -1 | 1 | 2 | 1 | 10 | 10 | 12 | 8 | 14 | 10 | 7 | 19 | 10 |
| 2 | 38 | 114111 | 8 | 20 | 25 | 3 | 6 | 3 | 7 | 10 | 12 | 8 | 14 | 10 | 7 | 17 | 7 |
| 2 | 38 | 515931 | 8 | -1 | 35 | 1 | 2 | 2 | 10 | 14 | 20 | 10 | 18 | 12 | 10 | 25 | 12 |
| 2 | 38 | 411111 | 8 | 20 | 25 | 3 | 6 | 2 | 8 | 10 | 12 | 8 | 14 | 10 | 8 | 18 | 7 |

D.S. * YES

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | | | |
| MOS | :19E3Y | GUNNER | : | | * |
| IN ARMY | : 8YR | LOADER | : | | * |
| IN ARTILLERY | : 8YR | DRIVER | : | | * |
| | WHEN | | | | |
| COMBAT | :N | | | | |
| ARTIL. COMBAT | :N | #SUPERVISED : 20 | | | |

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME, SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 1 | 411111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 515431 | 3 | -1 | -1 | 1 | -1 | -1 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 114112 | 4 | 0 | 0 | 21 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 515311 | 3 | -1 | -1 | 2 | 2 | 5 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 213111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 413111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 311111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 313111 | 3 | 0 | 0 | 4 | 5 | 10 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 515223 | 0 | -1 | -1 | 1 | 2 | 5 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 414112 | 3 | 0 | 0 | 4 | 5 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 535111 | 3 | -1 | -1 | 2 | 2 | 5 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 112111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 514111 | 3 | -1 | -1 | 2 | 2 | 10 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 313112 | 3 | -1 | -1 | 2 | 5 | 10 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 315113 | 3 | -1 | -1 | 4 | 5 | -1 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 513111 | 3 | 0 | 0 | 4 | 5 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 123111 | 3 | 0 | 0 | 2 | 2 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 334251 | 3 | -1 | -1 | 2 | 2 | 10 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 113111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 521111 | 3 | -1 | -1 | 2 | 2 | 5 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 113121 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 211111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 224111 | 3 | 0 | 0 | 4 | 5 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 415310 | 3 | -1 | -1 | 4 | 5 | 30 | 90 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 312111 | 3 | 0 | 0 | 4 | 5 | 30 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 314112 | 3 | -1 | -1 | 1 | 1 | 5 | 20 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 314113 | 3 | -1 | -1 | 1 | 1 | 1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 1 | 412111 | 3 | 0 | 0 | 2 | 2 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 414111 | 3 | 0 | 0 | 2 | 2 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 1 | 525111 | 3 | -1 | -1 | -1 | 1 | -1 | 40 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

*SUPERVISED (DRILL SERGEANT SCHOOL) TAC NCO (PRIMARY NCO COURSE)

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 7 77 | 1 6 |
| MOS | :19F3X8A | GUNNER | : 3 75 | 2 3 |
| IN ARMY | : 8YR | LOADER | : | |
| IN ARTILLERY | : 8YR | DRIVER | : | |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED :>50

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

M60 TANK CREW

| CREW | SYMP COMP RESP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 3 411111 | 3 | -1 | -1 | 1 | 1 | 1 | 60 | 5 | 25 | 15 | 20 | 5 | 30 | 35 | 5 | 25 | 20 |
| 3 | 3 515431 | 3 | -1 | -1 | -1 | -1 | -1 | 180 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 114111 | 3 | 45 | 60 | 1 | 1 | 1 | 45 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 12 |
| 3 | 3 515311 | 3 | -1 | -1 | -1 | -1 | -1 | 180 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 213111 | 3 | 60 | 80 | 2 | 1 | 2 | 90 | 4 | 20 | 12 | 16 | 4 | 24 | 28 | 4 | 20 | 16 |
| 3 | 3 413111 | 3 | 90 | 120 | 1 | 1 | 1 | 60 | 6 | 30 | 18 | 24 | 6 | 36 | 42 | 6 | 30 | 24 |
| 3 | 3 311111 | 3 | 30 | 40 | 3 | 2 | 3 | 30 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 3 313111 | 3 | 45 | 60 | 1 | 2 | 1 | 45 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 12 |
| 3 | 3 515223 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 414112 | 3 | 60 | 80 | 1 | 1 | 1 | 600 | 4 | 20 | 12 | 16 | 4 | 24 | 28 | 4 | 20 | 16 |
| 3 | 3 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 112111 | 3 | 30 | 40 | 3 | 3 | 3 | 30 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 3 514111 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 313112 | 3 | 75 | 100 | 1 | 1 | 1 | 75 | 5 | 25 | 15 | 20 | 5 | 30 | 35 | 5 | 25 | 20 |
| 3 | 3 315113 | 3 | 105 | 140 | 1 | 1 | 1 | 105 | 7 | 35 | 21 | 28 | 7 | 42 | 49 | 7 | 35 | 28 |
| 3 | 3 513111 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 123111 | 3 | 75 | 100 | 1 | 1 | 1 | 75 | 5 | 25 | 15 | 20 | 5 | 30 | 35 | 5 | 25 | 20 |
| 3 | 3 334231 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 113111 | 3 | 30 | 40 | 3 | 3 | 3 | 30 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 3 521111 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 113121 | 3 | 45 | 60 | 2 | 2 | 2 | 45 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 12 |
| 3 | 3 211111 | 3 | 30 | 40 | 2 | 2 | 3 | 40 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 3 224111 | 3 | 45 | 60 | 2 | 2 | 2 | 45 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 12 |
| 3 | 3 415314 | 3 | -1 | -1 | -1 | -1 | -1 | 200 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 3 312111 | 3 | 45 | 60 | 1 | 1 | 1 | 45 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 20 |
| 3 | 3 314112 | 3 | 45 | 60 | 1 | 1 | 1 | 45 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 12 |
| 3 | 3 314113 | 3 | 60 | 80 | 1 | 1 | 1 | 60 | 4 | 20 | 12 | 16 | 4 | 24 | 28 | 4 | 20 | 16 |
| 3 | 3 412111 | 3 | 105 | 140 | -1 | -1 | -1 | 105 | 7 | 35 | 21 | 28 | 7 | 42 | 49 | 7 | 35 | 28 |
| 3 | 3 414111 | 3 | 90 | 120 | 1 | 1 | 1 | 90 | 6 | 30 | 18 | 24 | 6 | 36 | 42 | 6 | 30 | 24 |
| 3 | 3 525111 | 3 | -1 | -1 | -1 | -1 | -1 | 250 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

DRILL SAPGEANT IN AR OSUT CDE

| | | | | | |
|---|---|---|---|---|---|
| DEMOGRAPHIC DATA | | WHEN MO YR | HOW LONG YR MO | | |
| GRADE :E-6 | TANK COMMANDER : | 77 | 2 6 | | 0=NO INCREASE ABOVE USUAL TIME |
| MOS :19F | GUNNER : | 76 | 1 | | -1=CANNOT DO IT AT ALL |
| IN ARMY : 7YR | LOADER : | | | | 9990=NO REPLY |
| IN ARTILLERY : 7YR | DRIVER : | | | | 9=NO REPLY (FOR CONFIDENCE) |
| WHEN | | | | | |
| COMBAT :N | | | | | |
| ARTIL. COMBAT:N | #SUPERVISED :>50 | | | | |

M60 TANK CREW

| | | | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 4 | 411111 | 3 | 30 | 60 | 1 | 0.5 | 2 | 20 | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 10 | 7 |
| 3 4 | 515431 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 114111 | 2 | 35 | 60 | 1 | 1 | 1 | 30 | 2 | 0 | 6 | 8 | 4 | 0 | 10 | 0 | 12 | 0 |
| 3 4 | 515311 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 213111 | 3 | 0 | 25 | 3 | 1 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 4 | 413111 | 3 | 20 | 35 | 2 | 1 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 4 | 311111 | 4 | 0 | 0 | 2 | 1 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 4 | 313111 | 4 | 20 | 25 | 2 | 1 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 4 | 515223 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 414112 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 112111 | 4 | 0 | 0 | 2 | 1 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 4 | 514111 | 4 | 20 | 35 | 2 | 1 | 5 | 20 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 7 | 0 |
| 3 4 | 313112 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 120 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 513111 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 123111 | 3 | -1 | -1 | -1 | -1 | -1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | -1 |
| 3 4 | 334231 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 113111 | 4 | 20 | 30 | 1 | 1 | 2 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 4 | 521111 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 113121 | 4 | 30 | 40 | -1 | -1 | 1 | 20 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 4 | 211111 | 4 | 0 | 0 | 2 | 1 | 3 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 4 | 224111 | 4 | 30 | 40 | -1 | -1 | -1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 4 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 312111 | 4 | 30 | 40 | -1 | -1 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 4 | 314112 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 314113 | 4 | -1 | -1 | -1 | -1 | 1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 4 | 412111 | 4 | 0 | 0 | 2 | 1 | 2 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 4 | 414111 | 4 | 30 | 40 | -1 | -1 | 1 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 4 | 525111 | 4 | -1 | -1 | -1 | -1 | -1 | 60 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

I AM THE BATTALION MASTER GUNNER. I COORDINATE ALL TANK GUNNERY AND OBSERVE TURRET MAINTANCE.

DEMOGRAPHIC DATA

| | | | WHEN NO YR | HOW LONG YR NO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 77 | 3 |
| MOS | :19E30 | GUNNER : | 75 | 2 |
| IN ARMY | : 8YR | LOADER : | 74 | 3 |
| IN ARTILLERY | : 8YR | DRIVER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 10

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
| CREW RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | ?1 XFS | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | | | 15 | 20 | UNSTIMULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 7 | 411111 | 3 | 30 | 30 | 2 | 3 | 10 | 20 | 3 | 0 | 5 | 6 | 4 | 0 | 0 | 0 | 7 | 6 |
| 3 7 | 515431 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 114111 | 3 | -1 | -1 | -1 | 1 | -1 | 40 | 3 | 10 | 10 | 10 | 4 | 12 | 12 | 0 | 10 | 7 |
| 3 7 | 515311 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 213111 | 3 | 35 | 30 | 3 | 3 | 10 | 20 | 3 | 7 | 8 | 8 | 4 | 10 | 10 | 0 | 8 | 6 |
| 3 7 | 413111 | 2 | 30 | 40 | 4 | 3 | 8 | 25 | 3 | 7 | 7 | 6 | 3 | 10 | 10 | 0 | 8 | 6 |
| 3 7 | 311111 | 3 | 25 | 40 | 4 | 4 | 5 | 20 | 0 | 0 | 6 | 6 | 3 | 0 | 10 | 0 | 7 | 0 |
| 3 7 | 313111 | 4 | 35 | 45 | 3 | 1 | 3 | 18 | 0 | 6 | 5 | 7 | 4 | 0 | 10 | 0 | 8 | 7 |
| 3 7 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 414112 | 4 | 45 | 40 | 1 | 1 | -1 | 35 | 2 | 11 | 9 | 10 | 4 | 12 | 13 | 3 | 10 | 10 |
| 3 7 | 535111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 112111 | 4 | 20 | 28 | 4 | 4 | 6 | 23 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 0 | 7 | 0 |
| 3 7 | 514111 | 4 | 47 | 39 | 2 | 3 | 3 | 27 | 6 | 10 | 12 | 9 | 4 | 10 | 10 | 3 | 10 | 6 |
| 3 7 | 313112 | 4 | 38 | 32 | -1 | 1 | -1 | 25 | 3 | 6 | 5 | 7 | 4 | 8 | 0 | 0 | 8 | 0 |
| 3 7 | 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 513111 | 4 | 50 | 70 | 1 | 2 | 3 | 27 | 3 | 8 | 6 | 8 | 4 | 10 | 12 | 3 | 10 | 8 |
| 3 7 | 123111 | 4 | 40 | 60 | 1 | -1 | 2 | 21 | 0 | 6 | 6 | 0 | 3 | 0 | 0 | 0 | 7 | 6 |
| 3 7 | 334231 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 113111 | 4 | 18 | 35 | 3 | 4 | 6 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 7 | 521111 | 4 | 50 | 80 | -1 | -1 | -1 | -1 | 4 | 8 | 6 | 7 | 4 | 9 | 10 | 4 | 8 | 7 |
| 3 7 | 113121 | 4 | 0 | 38 | 4 | 3 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 7 | 211111 | 4 | 30 | 57 | 2 | 2 | 3 | 28 | 3 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 6 |
| 3 7 | 224111 | 4 | 47 | 75 | 1 | -1 | -1 | 17 | 7 | 11 | 9 | 10 | 7 | 12 | 13 | 7 | 11 | 10 |
| 3 7 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 312111 | 4 | 25 | 60 | 3 | 2 | 3 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 7 | 314112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 7 | 412111 | 4 | 48 | 62 | 1 | 1.5 | 4 | 17 | 5 | 9 | 7 | 8 | 5 | 10 | 11 | 5 | 9 | 8 |
| 3 7 | 414111 | 4 | 47 | 60 | 2 | -1 | -1 | 23 | 4 | 8 | 6 | 7 | 4 | 9 | 10 | 6 | 8 | 7 |
| 3 7 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

DRILL SERGEANT AT FT KNOX

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | TANK COMMANDER | 79 | 2 |
| MOS | :19E | GUNNER : | 78 | 1 |
| IN ARMY | : 9YR | LOADER : | | |
| IN ARTILLERY | : 5YR | DRIVER : | | |
| | WHEN | | | |
| COMBAT | :N | | | |
| ARTIL. COMBAT | :N | #SUPERVISED :>50 | | |

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | SENR | COMP | RESP | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 9 | 411111 | 3 | 0 | 0 | 10 | 180 | 30 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 515451 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 10 | 10 | 7 | 10 | 5 | 10 | 12 | 3 | 10 | 7 |
| 3 | 9 | 114111 | 3 | 30 | 60 | 3 | 10 | 5 | 30 | 0 | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 10 | 0 |
| 3 | 9 | 515311 | 3 | 60 | 60 | 2 | 5 | 5 | 30 | 3 | 0 | 5 | 0 | 3 | 0 | 10 | 0 | 8 | 6 |
| 3 | 9 | 213111 | 3 | 20 | 30 | 6 | 15 | 10 | 20 | 2 | 0 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 413111 | 3 | 20 | 30 | 3 | 10 | 15 | 15 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 7 | 6 |
| 3 | 9 | 311111 | 3 | 20 | 30 | 4 | 15 | 10 | 30 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 313111 | 3 | 20 | 30 | 5 | 15 | 20 | 15 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 7 | 6 |
| 3 | 9 | 515223 | 3 | -1 | -1 | -1 | -1 | -1 | -1 | 5 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 9 | 414112 | 3 | 20 | 30 | 1 | 5 | 5 | 30 | 2 | 7 | 5 | 5 | 2 | 0 | 0 | 0 | 7 | 6 |
| 3 | 9 | 535111 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 20 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 9 | 112111 | 3 | 20 | 25 | 5 | 30 | 20 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 514111 | 3 | 40 | 60 | 1 | 5 | 5 | 30 | 2 | 7 | 5 | 6 | 2 | 0 | 0 | 2 | 7 | 0 |
| 3 | 9 | 313112 | 3 | 60 | 120 | 2 | 5 | 5 | 30 | 5 | 0 | 5 | 0 | 2 | 0 | 10 | 0 | 10 | 6 |
| 3 | 9 | 315113 | 3 | -1 | -1 | -1 | -1 | -1 | 60 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 9 | 513111 | 3 | 30 | 40 | 5 | 10 | 10 | 30 | 0 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| 3 | 9 | 123111 | 3 | 20 | 30 | 5 | 10 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 534231 | 3 | 40 | 60 | 2 | 3 | -1 | 60 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 9 | 113111 | 3 | 0 | 0 | 5 | 30 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 521111 | 3 | 20 | 30 | 4 | 15 | 10 | 20 | 2 | 7 | 4 | 5 | 2 | 8 | 9 | 2 | 7 | 5 |
| 3 | 9 | 113121 | 3 | 20 | 30 | 5 | 30 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 211111 | 3 | 20 | 30 | 5 | 30 | 30 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 9 | 224111 | 3 | 30 | 40 | 2 | 5 | 10 | 15 | 2 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 6 |
| 3 | 9 | 415319 | 3 | 45 | 60 | -1 | -1 | -1 | 60 | 3 | 15 | 9 | 12 | 3 | 18 | 21 | 3 | 15 | 12 |
| 3 | 9 | 312111 | 3 | 20 | 30 | 5 | 15 | 10 | 20 | 2 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 7 | 6 |
| 3 | 9 | 314112 | 3 | 30 | 40 | 1 | 5 | 5 | 30 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | | 8 |
| 3 | 9 | 314113 | 3 | 60 | 60 | -1 | -1 | -1 | 60 | 2 | 1 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 9 | 412111 | 3 | 20 | 30 | 5 | 10 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 |
| 3 | 9 | 414111 | 3 | 20 | 30 | 2 | 10 | 10 | 30 | 2 | 7 | 5 | 6 | 3 | 8 | 9 | 3 | 7 | 6 |
| 3 | 9 | 525111 | 3 | 60 | 60 | -1 | -1 | -1 | 60 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |

ONTLI SUT.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : | | TANK COMMANDER | 77 | 1 |
| MOS :19F | | GUNNER : | 75 | 2 |
| IN ARMY : 9YR | AND | LOADER : | 75 | 2 |
| IN ARTILLERY : 9YR | | DRIVER : | 75 | 2 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW | RESP | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME,SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 5 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 12 | 411111 | 3 | 60 | 30 | 15 | 10 | 25 | 30 | 10 | 25 | 10 | 10 | 25 | 12 | 12 | 5 | 20 | 8 |
| 3 | 12 | 515431 | 3 | 25 | 30 | 15 | 10 | 26 | 30 | 12 | 9 | 9 | 8 | 5 | 9 | 9 | 5 | 10 | 8 |
| 3 | 12 | 114111 | 3 | 20 | 25 | 10 | 10 | 20 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 |
| 3 | 12 | 515311 | 3 | 20 | 10 | 10 | 10 | 20 | 25 | 8 | 10 | 7 | 6 | 5 | 12 | 10 | 5 | 12 | 8 |
| 3 | 12 | 213111 | 3 | 20 | 25 | 10 | 10 | 15 | 25 | 5 | 8 | 6 | 8 | 4 | 10 | 10 | 5 | 10 | 7 |
| 3 | 12 | 413111 | 3 | 25 | 30 | 10 | 11 | 5 | 10 | 8 | 10 | 8 | 10 | 8 | 15 | 15 | 10 | 20 | 10 |
| 3 | 12 | 311111 | 3 | 20 | 30 | 15 | 15 | 10 | 30 | 5 | 8 | 6 | 8 | 5 | 12 | 10 | 5 | 10 | 8 |
| 3 | 12 | 313111 | 3 | 20 | 30 | 20 | 20 | 15 | 25 | 8 | 15 | 10 | 10 | 5 | 12 | 14 | 8 | 10 | 10 |
| 3 | 12 | 515223 | 3 | 20 | 30 | 5 | 5 | 5 | 5 | 15 | 20 | 15 | 10 | 10 | 12 | 14 | 8 | 12 | 10 |
| 3 | 12 | 414112 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 10 | 20 | 12 | 12 | 10 | 12 | 14 | 10 | 14 | 10 |
| 3 | 12 | 535111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 12 | 15 | 20 | 10 | 15 | 20 | 25 | 10 | 25 | 15 |
| 3 | 12 | 112111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 0 | 0 | 0 | 8 | 5 | 12 | 9 | 5 | 10 | 8 |
| 3 | 12 | 514111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 10 | 12 | 15 | 8 | 5 | 12 | 14 | 10 | 20 | 12 |
| 3 | 12 | 313112 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 8 | 12 | 8 | 8 | 5 | 18 | 20 | 10 | 22 | 15 |
| 3 | 12 | 315113 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 12 | 20 | 15 | 22 | 10 | 21 | 20 | 10 | 15 | 21 |
| 3 | 12 | 513111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 12 | 18 | 15 | 21 | 9 | 12 | 14 | 5 | 10 | 8 |
| 3 | 12 | 123111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 9 | 19 | 21 | 8 | 15 | 18 | 21 | 10 | 21 | 15 |
| 3 | 12 | 334231 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 12 | 15 | 20 | 15 | 20 | 18 | 14 | 11 | 21 | 10 |
| 3 | 12 | 113111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 5 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 10 | 6 |
| 3 | 12 | 521111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 10 | 10 | 12 | 14 | 12 | 14 | 15 | 10 | 10 | 12 |
| 3 | 12 | 113121 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 12 | 12 | 14 | 16 | 10 | 12 | 14 | 10 | 10 | 8 |
| 3 | 12 | 211111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 8 | 8 | 6 | 8 | 5 | 12 | 8 | 5 | 10 | 8 |
| 3 | 12 | 224111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 10 | 10 | 6 | 8 | 5 | 12 | 8 | 10 | 12 | 8 |
| 3 | 12 | 415314 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 12 | 12 | 9 | 8 | 5 | 12 | 13 | 5 | 15 | 8 |
| 3 | 12 | 312111 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 8 | 10 | 6 | 8 | 6 | 12 | 14 | 5 | 12 | 8 |
| 3 | 12 | 314112 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 8 | 12 | 7 | 12 | 8 | 14 | 13 | 8 | 12 | 14 |
| 3 | 12 | 314113 | 3 | 999 | 999 | 999 | 999 | 999 | 999 | 20 | 30 | 20 | 28 | 20 | 20 | 20 | 10 | 25 | 15 |
| 3 | 12 | 412111 | 3 | 999 | 999 | 10 | 10 | 5 | 30 | 10 | 12 | 12 | 9 | 7 | 14 | 13 | 8 | 16 | 19 |
| 3 | 12 | 414111 | 3 | 999 | 999 | 10 | 10 | 2 | 1 | 12 | 20 | 20 | 20 | 10 | 15 | 30 | 21 | 25 | 10 |
| 3 | 12 | 525111 | 3 | 999 | 999 | 10 | 10 | 0 | 30 | 11 | 15 | 12 | 9 | 10 | 15 | 21 | 8 | 20 | 10 |

IN CHARGE OF A TANK PLATOON, RESPONSIBLE FOR MAINT OF VEHICLES, TRAINING AND WELFARE OF PERSONNEL

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE : | | TANK COMMANDER : | 77 | 5 |
| MOS :19F30 | | GUNNER : | 75 | 2 |
| IN ARMY : 7YR | | LOADER : | | |
| IN ARTILLERY : 7YR | | DRIVER : | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 20

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | ORDINARY TASKS | | | | | | CREW TASKS: TANK COMMANDER | | | | GUNNER | | | LOADER | | DR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CREW SYMP CON RESP COMP | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | ISSUE FIRE CMD | RANGE | DEP LAY | ISSUE SUBSQ CMD | IDENT TGT | AIM FIRE | APPLY CORR | ARM | LOAD ARM | STOP |
| USUAL TIME,SEC | 15 | 20 | UNSTIMULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 16 411111 0 | 20 | 20 | 5 | 10 | 20 | 20 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 3 | 3 |
| 3 16 515431 3 | 30 | 30 | 2 | 3 | 5 | 40 | 0 | 10 | 5 | 4 | 8 | 4 | 3 | 0 | 4 | 3 |
| 3 16 114111 0 | 10 | 20 | 3 | 5 | 10 | 20 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 2 |
| 3 16 515311 3 | 30 | 50 | 1 | 1 | 2 | 60 | 4 | 5 | 3 | 2 | 4 | 4 | 3 | 0 | 5 | 4 |
| 3 16 213111 0 | 15 | 20 | 8 | 10 | 15 | 20 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 2 |
| 3 16 413111 0 | 8 | 15 | 8 | 10 | 15 | 20 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 1 | 2 | 2 |
| 3 16 311111 5 | 15 | 20 | 10 | 10 | 15 | 15 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 3 16 313111 5 | 15 | 20 | 10 | 10 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 515223 3 | 55 | 55 | 1 | 2 | 5 | 10 | 3 | 5 | 5 | 2 | 5 | 5 | 5 | 3 | 5 | 5 |
| 3 16 414112 3 | 30 | 40 | 5 | 5 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 535111 1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 16 112111 5 | 0 | 0 | 20 | 20 | 30 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 514111 0 | 10 | 15 | 15 | 15 | 20 | 10 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 2 | 2 |
| 3 16 313112 0 | 0 | 0 | 10 | 10 | 15 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 515113 3 | 20 | 25 | 2 | 2 | 5 | 15 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 2 | 3 | 4 |
| 3 16 513111 3 | 15 | 20 | 5 | 5 | 10 | 15 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 3 |
| 3 16 123111 5 | 0 | 0 | 10 | 10 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 334231 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 16 113111 5 | 0 | 0 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 521111 0 | 10 | 10 | 5 | 5 | 10 | 15 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 2 | 3 |
| 3 16 113121 0 | 10 | 15 | 5 | 5 | 8 | 15 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 2 | 3 |
| 3 16 211111 5 | 0 | 0 | 10 | 10 | 15 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 16 224111 3 | 15 | 20 | 3 | 3 | 5 | 20 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 2 | 3 | 4 |
| 3 16 415314 2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 16 312111 0 | 15 | 15 | 5 | 5 | 10 | 15 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 1 | 2 | 3 |
| 3 16 314112 0 | 15 | 20 | 5 | 5 | 10 | 15 | 2 | 2 | 2 | 0 | 3 | 0 | 0 | 1 | 2 | 3 |
| 3 16 314113 3 | 30 | 40 | 1 | 1 | 3 | 30 | 2 | 3 | 2 | 0 | 3 | 0 | 0 | 2 | 0 | 4 |
| 3 16 412111 0 | 15 | 20 | 5 | 5 | 10 | 15 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 3 |
| 3 16 414111 0 | 15 | 20 | 5 | 5 | 10 | 20 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 1 | 2 | 3 |
| 3 16 525111 2 | 60 | 60 | 1 | 1 | 3 | 35 | 2 | 5 | 3 | 0 | 4 | 4 | 3 | 2 | 5 | 6 |

PLT SGT/ MASTER GUNNER OF M-1 TANK PLT.

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-7 | TANK COMMANDER | 75 | 7 |
| MOS | :19K40 | GUNNER | 72 | 3 |
| IN ARMY | :11YR 3MO | LOADER | 71 | 1 |
| IN ARTILLERY | :11YR 3 | DRIVER | | |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED :>50

M60 TANK CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| CREW RESP | | SYMP COMP | CON | ORDINARY TASKS: CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | CREW TASKS: TANK COMMANDER: ISSUE FIRE CMD | RANGE | DEF LAY | ISSUE SUBSQ CMD | GUNNER: IDENT TGT | AIM FIRE | APPLY CORR | LOADER: ARM | LOAD ARM | DR: STOP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USUAL TIME, SEC | | | | 15 | 20 | UNSTIPULATED | | | | 1 | 5 | 3 | 4 | 1 | 6 | 7 | 1 | 5 | 4 |
| 3 | 38 | 411111 | 4 | 20 | 30 | 5 | 30 | 15 | 25 | 2 | 7 | 5 | 6 | 2 | 0 | 8 | 0 | 7 | 0 |
| 3 | 38 | 515431 | 4 | 30 | 30 | 2 | 5 | 5 | 30 | 4 | 10 | 5 | 8 | 3 | 9 | 9 | 2 | 10 | 6 |
| 3 | 38 | 114111 | 4 | 20 | 25 | 2 | 5 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| 3 | 38 | 515311 | 4 | 30 | 30 | 2 | 5 | 5 | 30 | 4 | 10 | 5 | 8 | 3 | 9 | 9 | 2 | 10 | 6 |
| 3 | 38 | 215111 | 4 | 0 | 0 | 5 | 15 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 413111 | 4 | 0 | 0 | 5 | 15 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 311111 | 3 | 0 | 0 | 5 | 20 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 313111 | 4 | 0 | 0 | 5 | 20 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 515223 | 4 | 30 | -1 | 2 | 5 | 3 | 45 | 5 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 38 | 414112 | 4 | 20 | 30 | 2 | 10 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 3 | 38 | 535111 | 3 | 30 | 40 | 2 | 5 | 3 | 30 | 3 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 4 |
| 3 | 38 | 112111 | 4 | 0 | 0 | 5 | 25 | 15 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 514111 | 9 | 20 | 30 | 2 | 5 | 3 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| 3 | 38 | 313112 | 4 | 30 | 40 | 2 | 5 | 5 | 40 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 38 | 315113 | 4 | 30 | 40 | 1 | 3 | 3 | 45 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 15 | 8 |
| 3 | 38 | 513111 | 4 | 0 | 0 | 2 | 5 | 5 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 123111 | 3 | 0 | 0 | 5 | 20 | 15 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 334231 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 38 | 113111 | 4 | 0 | 0 | 5 | 20 | 10 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 521111 | 4 | 0 | 0 | 2 | 15 | 5 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| 3 | 38 | 113121 | 4 | 0 | 0 | 5 | 30 | 10 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 211111 | 4 | 0 | 0 | 5 | 20 | 10 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 224111 | 4 | 20 | 25 | 5 | 20 | 10 | 30 | 2 | 10 | [illegible] | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 38 | 415314 | 4 | -1 | -1 | -1 | -1 | -1 | 45 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 38 | 312111 | 4 | 0 | 0 | 5 | 30 | 10 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 314112 | 4 | -1 | -1 | -1 | -1 | -1 | 40 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 38 | 314113 | 4 | -1 | -1 | -1 | -1 | -1 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| 3 | 38 | 412111 | 4 | 0 | 0 | 5 | 30 | 10 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 38 | 414111 | 4 | 30 | 40 | 5 | 15 | 10 | 25 | 2 | 10 | 6 | 8 | 2 | 12 | 14 | 2 | 10 | 8 |
| 3 | 38 | 525111 | 4 | -1 | -1 | 2 | 5 | 2 | 30 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |

I HAVE BEEN IN AN ANTI ARMOR PIT, 10YRS. I HAVE WORK WITH THE JEEP TOW, THE M220 SYSTEM AND AT THE PRESENT TIME ON THE M901.

DEMOGRAPHIC DATA

| | | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER | : | 77 | 5 |
| MOS | :11H30E9 | GUNNER | : | 76 | 2 |
| IN ARMY | :10YR | LOADER | : | | |
| IN ARTILLERY | :10YR | DRIVER | : | 75 | 1 |

WHEN
COMBAT :N
ARTIL. COMBAT:N #SUPERVISED : 10

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW | RESP | SYMP COMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DFSTG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | | 15 | 20 | 60 | 100 | 100 | 10 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | | CONFIDENCE= 5 | | | | | | | | | | | |
| 4 | 3 | 411111 | 5 | 25 | 40 | 1 | 1 | 1 | 20 | 8 | 5 | 20 | 10 | 25 | 75 | 90 | 80 |
| 4 | 3 | 515431 | 5 | 65 | 60 | 0.5 | 40 | -1 | 65 | 45 | 20 | 60 | 60 | 60 | 180 | 190 | 50 |
| 4 | 3 | 114111 | 4 | 20 | 26 | 1 | 1 | 1 | 25 | 0 | 4 | 20 | 0 | 21 | 65 | 70 | 85 |
| 4 | 3 | 515311 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 50 | 60 | 60 | 120 | 120 | -1 | -1 | 20 |
| 4 | 3 | 213111 | 4 | 30 | 50 | 1 | 1 | 1 | 1 | 25 | 20 | 30 | 14 | 40 | 120 | 100 | 80 |
| 4 | 3 | 413111 | 5 | 20 | 25 | 2 | 1 | 3 | 20 | 8 | 4 | 20 | 8 | 21 | 65 | 66 | 89 |
| 4 | 3 | 311111 | 4 | 20 | 26 | 3 | 2 | 3 | 10 | 0 | 0 | 0 | 8 | 40 | 70 | 80 | 90 |
| 4 | 3 | 313111 | 5 | 17 | 22 | 1 | 2 | 4 | 20 | 5 | 3 | 18 | 8 | 22 | 65 | 65 | 90 |
| 4 | 3 | 515223 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 40 | 50 | 60 | 60 | 120 | -1 | -1 | 30 |
| 4 | 3 | 414112 | 4 | 60 | 120 | -1 | -1 | -1 | 60 | 40 | 20 | 60 | 70 | 50 | 80 | 90 | 60 |
| 4 | 3 | 535111 | 5 | 60 | 60 | -1 | -1 | -1 | 60 | 10 | 20 | 31 | 14 | 40 | 125 | 90 | 80 |
| 4 | 3 | 112111 | 5 | 0 | 0 | 5 | 118 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 4 | 3 | 514111 | 4 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 5 |
| 4 | 3 | 313112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | 120 | 120 | 60 | 60 | 120 | 150 | 160 | 10 |
| 4 | 3 | 315113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 513111 | 4 | 60 | 60 | -1 | -1 | -1 | 120 | 60 | 60 | 60 | 60 | 60 | '20 | 120 | 999 |
| 4 | 3 | 123111 | 4 | 25 | 26 | 5 | 60 | 25 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 4 | 3 | 334231 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 113111 | 4 | 0 | 0 | 5 | 125 | 30 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| 4 | 3 | 521111 | 5 | 30 | 40 | 1 | 60 | 1 | 30 | 8 | 4 | 33 | 14 | 40 | 120 | 120 | 80 |
| 4 | 3 | 113121 | 4 | 35 | 40 | -1 | -1 | -1 | 60 | 8 | 5 | 34 | 14 | 40 | 120 | 120 | 80 |
| 4 | 3 | 211111 | 4 | 35 | 46 | -1 | -1 | 1 | 40 | 8 | 5 | 34 | 14 | 40 | 120 | 120 | 70 |
| 4 | 3 | 224111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 | 3 | 415314 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 312111 | 5 | 120 | 140 | -1 | -1 | -1 | 60 | 8 | 8 | 39 | 25 | 42 | 129 | 129 | 40 |
| 4 | 3 | 314112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 314113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 412111 | 5 | 60 | 60 | -1 | -1 | -1 | 60 | 8 | 5 | 34 | 14 | 40 | 120 | 120 | 50 |
| 4 | 3 | 414111 | 4 | 50 | 40 | -1 | -1 | -1 | 60 | 20 | 20 | 60 | 60 | 40 | 120 | 120 | 60 |
| 4 | 3 | 525111 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 111121 | 4 | 40 | 40 | 1 | -1 | -1 | 60 | 8 | 4 | 34 | 14 | 40 | 120 | 120 | 60 |
| 4 | 3 | 212111 | 4 | 40 | 40 | -1 | -1 | -1 | 60 | 10 | 8 | 34 | 14 | 40 | 123 | 124 | 60 |
| 4 | 3 | 112121 | 5 | 40 | 40 | 1 | 1 | 1 | 30 | 8 | 5 | 34 | 14 | 40 | 120 | 120 | 75 |
| 4 | 3 | 112131 | 4 | 35 | 60 | 1 | 1 | -1 | 60 | 10 | 4 | 34 | 14 | 40 | 125 | 125 | 60 |
| 4 | 3 | 111131 | 4 | 40 | 40 | -1 | -1 | -1 | 60 | 60 | 60 | 60 | 60 | 120 | -1 | -1 | 50 |
| 4 | 3 | 113131 | 4 | 40 | 40 | 1 | 2 | -1 | 60 | 10 | 8 | 30 | 14 | 40 | 120 | 125 | 70 |
| 4 | 3 | 214112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 10 |
| 4 | 3 | 314111 | 5 | 60 | 60 | -1 | -1 | -1 | 60 | 15 | 16 | 60 | 60 | 40 | 127 | 130 | 50 |
| 4 | 3 | 214113 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |
| 4 | 3 | 114112 | 5 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 0 |

I WAS TIV INSTRUCTOR FROM 60-81 AFTER THAT I WAS SUPPLY SGT NOW I WORKING AS TIV PLATOON SGT

DEMOGRAPHIC DATA

| | | | WHEN MO YR | HOW LONG YR MO |
|---|---|---|---|---|
| GRADE | :E-6 | SQUAD LEADER : | 77 | 3 |
| MOS | :11H | GUNNER : | 76 | 1 |
| IN ARMY | :11YR | LOADER : | 77 | 3 |
| IN ARTILLERY | : 7YR | DRIVER : | 76 | 6 |

WHEN
COMBAT :N
ARTIL. COMBAT:N

#SUPERVISED : 50

IMPROVED TOW VEHICLE CREW

0=NO INCREASE ABOVE USUAL TIME
-1=CANNOT DO IT AT ALL
9990=NO REPLY
9=NO REPLY (FOR CONFIDENCE)

| | | | ORDINARY TASKS | | | | | | CREW TASKS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | SQUAD LEADER | | GUNNER | | DR | LOADER | | GUNNER |
| CREW RESP | SYMP CUMP | CON | CLIMB STAIRS | LIFT BOXES | CLIMB STAIRS | WALK | LIFT BOXES | OPEN LOCK | DESIG TGT AZ | CD DRIVER | SET ERECT SLEW | ACQUIR ARM FIRE | START DRIVE STOP | RELOAD | READY RACK | TARGET TRACKING ACCURACY |
| | | | | | SELF-STIPULATED VALUES | | | | | | | | | | | |
| USUAL TIME,SEC | | | 15 | 20 | 10 | 5 | 3 | 20 | 4 | 2 | 17 | 7 | 20 | 60 | 60 | 90% |
| | | | | | CONFIDENCE= 8 | | | | | | | | | | | |
| 4 38 | 411111 | 8 | 40 | 30 | 5 | 2 | 2 | 30 | 12 | 8 | 25 | 12 | 0 | 90 | 90 | 70 |
| 4 38 | 515031 | 8 | 55 | 35 | 2 | 3 | 2 | 40 | 15 | 5 | 35 | 35 | 25 | 120 | 120 | 60 |
| 4 38 | 114111 | 8 | 55 | 60 | 2 | 3 | 1 | 40 | 20 | 6 | 35 | 35 | 25 | -1 | -1 | 60 |
| 4 38 | 515311 | 8 | 60 | 65 | 1 | 2 | 1 | 50 | 25 | 8 | 40 | 40 | 30 | -1 | -1 | 999 |
| 4 38 | 213111 | 8 | 65 | 65 | 1 | 2 | 1 | 50 | 30 | 10 | 45 | 45 | 35 | -1 | -1 | 60 |
| 4 38 | 413111 | 8 | 65 | 65 | 1 | 2 | 1 | 55 | 30 | 11 | 45 | 45 | 35 | -1 | -1 | 60 |
| 4 38 | 311111 | 8 | 15 | 25 | 5 | 10 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 38 | 313111 | 8 | 20 | 25 | 5 | 10 | 2 | 15 | 7 | 4 | 30 | 20 | 25 | 65 | 65 | 60 |
| 4 38 | 515223 | 8 | 60 | 60 | 1 | 1 | 1 | 60 | 25 | 25 | 60 | -1 | 45 | -1 | -1 | 50 |
| 4 38 | 414112 | 8 | 45 | 45 | 2 | 1 | 1 | 30 | 30 | 30 | 20 | 14 | 25 | 90 | 90 | 60 |
| 4 38 | 535111 | 8 | 30 | 35 | 1 | 1 | 1 | 45 | 10 | 4 | 45 | 25 | 0 | 90 | 90 | 70 |
| 4 38 | 112111 | 8 | 20 | 25 | 4 | 3 | 3 | 20 | 0 | 0 | 25 | 10 | 25 | 70 | 70 | 0 |
| 4 38 | 514111 | 8 | 25 | 30 | 2 | 3 | 1 | 25 | 7 | 3 | 25 | 14 | 25 | 90 | 90 | 85 |
| 4 38 | 313112 | 8 | 25 | 25 | 2 | 3 | 2 | 30 | 7 | 4 | 30 | 14 | 25 | 90 | 90 | 80 |
| 4 38 | 315113 | 8 | 30 | 40 | 1 | 2 | 1 | 35 | 11 | 5 | 39 | 35 | 35 | 90 | 90 | 60 |
| 4 38 | 513111 | 8 | 30 | 35 | 1 | 2 | 1 | 35 | 0 | 8 | 35 | 15 | 35 | 95 | 95 | 70 |
| 4 38 | 123111 | 8 | 30 | 35 | 1 | 1 | 1 | 40 | 8 | 7 | 30 | 15 | 40 | 120 | 120 | 65 |
| 4 38 | 334251 | 3 | -1 | -1 | 1 | 1 | 1 | 990 | 30 | 10 | 65 | 45 | 40 | -1 | -1 | 50 |
| 4 38 | 113111 | 8 | 20 | 25 | 1 | 1 | 1 | 20 | 0 | 3 | 20 | 10 | 25 | -1 | -1 | 0 |
| 4 38 | 521111 | 8 | 0 | 0 | 2 | 20 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 38 | 113121 | 3 | 30 | 25 | 1 | 4 | 1 | 20 | 0 | 3 | 20 | 10 | 25 | 90 | 90 | 85 |
| 4 38 | 211111 | 8 | 25 | 25 | 4 | 10 | 4 | 25 | 0 | 0 | 25 | 10 | 30 | 80 | 90 | 80 |
| 4 38 | 224111 | 8 | 30 | 25 | 2 | 1 | 1 | 20 | 0 | 3 | 20 | 10 | 25 | 90 | 90 | 85 |
| 4 38 | 415318 | 8 | 30 | 40 | 1 | 1 | 1 | 30 | 10 | 8 | 30 | 14 | 40 | 90 | 90 | 60 |
| 4 38 | 312111 | 8 | 25 | 35 | 1 | 1 | 1 | 25 | 6 | 4 | 30 | 20 | 30 | 90 | 120 | 70 |
| 4 38 | 314112 | 8 | 30 | 40 | 1 | 1 | 1 | 35 | 8 | 4 | 25 | 14 | 40 | 120 | [illegible] | 60 |
| 4 38 | 314113 | 8 | 45 | 45 | 1 | 1 | 1 | 35 | 8 | 4 | 30 | 25 | 40 | -1 | | 55 |
| 4 38 | 412111 | 8 | 30 | 30 | 2 | 2 | 1 | 25 | 0 | 0 | 20 | 14 | 35 | 75 | 85 | 60 |
| 4 38 | 414111 | 8 | 40 | 45 | 1 | 1 | 1 | 30 | 6 | 8 | 25 | 25 | 30 | -1 | -1 | 60 |
| 4 38 | 525111 | 8 | 30 | 45 | 1 | 1 | 1 | 30 | 10 | 8 | 25 | 20 | 35 | 90 | 90 | 60 |
| 4 38 | 111121 | 8 | 20 | 25 | 3 | 4 | 1 | 20 | 7 | 0 | 25 | 10 | 25 | 75 | 85 | 0 |
| 38 | 212111 | 8 | 30 | 40 | 1 | 1 | 1 | 35 | 7 | 8 | 25 | 25 | 30 | 120 | 160 | 60 |
| 4 38 | 112121 | 8 | 999 | 990 | 3 | 2 | 1 | 25 | 10 | 12 | 30 | 25 | 40 | 90 | 90 | 70 |
| 4 38 | 112131 | 8 | 30 | 40 | 1 | 1 | 1 | 30 | 12 | 7 | 25 | 20 | 40 | 90 | 100 | 60 |
| 4 38 | 111131 | 8 | 25 | 30 | 2 | 5 | 2 | 25 | 0 | 0 | 25 | 15 | 30 | 75 | 75 | 80 |
| 4 38 | 113131 | 8 | 30 | 30 | 1 | 1 | 1 | 30 | 7 | 9 | 25 | 15 | 25 | 75 | 90 | 70 |
| 4 38 | 214112 | 8 | 40 | 45 | -1 | 1 | -1 | 40 | 10 | 7 | 20 | 17 | 30 | -1 | -1 | 80 |
| 4 38 | 314111 | 9 | 45 | 60 | -1 | 1 | -1 | 60 | 10 | 10 | 30 | 20 | 30 | -1 | -1 | 60 |
| 4 38 | 214113 | 8 | 30 | -1 | -1 | -1 | -1 | 30 | 10 | 9 | 30 | 25 | 30 | -1 | -1 | 55 |
| 4 38 | 114112 | 8 | 45 | -1 | -1 | 1 | -1 | 40 | 15 | 10 | 30 | 30 | 25 | -1 | -1 | 15 |

# Appendix E

## PERFORMANCE DATA INPUT VALUES FOR REGRESSION MODELING: CREWMEMBER POSITIONS AND TASKS

Table E.1. Gun crewmember performance.

| No. | Symptom Complex | Crewmember Position[a] ($P_k$) 1 | 2 | 3 | 4 | Crewmember Tasks[b] ($P_{jk}$) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 112111 | 0.813 | 0.816 | 0.788 | 0.690 | 0.813 | 0.843 | 0.790 | 0.852 | 0.672 | 0.496 | 0.806 | 0.678 | 0.722 | 0.744 | 0.744 |
| 2 | 113111 | 0.811 | 0.857 | 0.822 | 0.697 | 0.811 | 0.883 | 0.833 | 0.879 | 0.714 | 0.601 | 0.769 | 0.666 | 0.699 | 0.723 | 0.716 |
| 3 | 113121 | 0.555 | 0.700 | 0.675 | 0.473 | 0.555 | 0.695 | 0.705 | 0.729 | 0.576 | 0.326 | 0.616 | 0.416 | 0.481 | 0.497 | 0.544 |
| 4 | 114111 | 0.691 | 0.730 | 0.690 | 0.452 | 0.691 | 0.815 | 0.661 | 0.832 | 0.493 | 0.211 | 0.609 | 0.421 | 0.504 | 0.709 | 0.665 |
| 5 | 123111 | 0.642 | 0.707 | 0.670 | 0.502 | 0.642 | 0.735 | 0.682 | 0.756 | 0.530 | 0.353 | 0.592 | 0.445 | 0.490 | 0.596 | 0.588 |
| 6 | 211111 | 0.671 | 0.828 | 0.803 | 0.650 | 0.671 | 0.829 | 0.827 | 0.862 | 0.692 | 0.480 | 0.705 | 0.660 | 0.641 | 0.726 | 0.722 |
| 7 | 213111 | 0.605 | 0.786 | 0.711 | 0.542 | 0.605 | 0.859 | 0.725 | 0.846 | 0.518 | 0.338 | 0.677 | 0.506 | 0.567 | 0.693 | 0.616 |
| 8 | 224111 | 0.362 | 0.540 | 0.501 | 0.330 | 0.362 | 0.572 | 0.511 | 0.614 | 0.350 | 0.161 | 0.477 | 0.318 | 0.364 | 0.423 | 0.446 |
| 9 | 311111 | 0.696 | 0.873 | 0.832 | 0.653 | 0.696 | 0.921 | 0.829 | 0.915 | 0.687 | 0.407 | 0.760 | 0.649 | 0.679 | 0.793 | 0.778 |
| 10 | 312111 | 0.612 | 0.709 | 0.700 | 0.556 | 0.612 | 0.755 | 0.668 | 0.764 | 0.586 | 0.341 | 0.674 | 0.518 | 0.584 | 0.655 | 0.689 |
| 11 | 313111 | 0.658 | 0.782 | 0.763 | 0.559 | 0.658 | 0.855 | 0.720 | 0.894 | 0.570 | 0.357 | 0.709 | 0.512 | 0.590 | 0.704 | 0.620 |
| 12 | 313112 | 0.469 | 0.631 | 0.575 | 0.387 | 0.469 | 0.665 | 0.600 | 0.665 | 0.438 | 0.216 | 0.510 | 0.323 | 0.380 | 0.491 | 0.578 |
| 13 | 314112 | 0.394 | 0.509 | 0.479 | 0.344 | 0.394 | 0.535 | 0.486 | 0.596 | 0.329 | 0.223 | 0.400 | 0.248 | 0.376 | 0.469 | 0.492 |
| 14 | 314113 | 0.252 | 0.417 | 0.371 | 0.223 | 0.252 | 0.454 | 0.385 | 0.446 | 0.266 | 0.134 | 0.314 | 0.184 | 0.222 | 0.250 | 0.295 |
| 15 | 315113 | 0.255 | 0.404 | 0.359 | 0.179 | 0.255 | 0.439 | 0.374 | 0.486 | 0.223 | 0.072 | 0.291 | 0.147 | 0.219 | 0.309 | 0.319 |
| 16 | 334231 | 0.221 | 0.384 | 0.321 | 0.188 | 0.221 | 0.427 | 0.348 | 0.413 | 0.212 | 0.092 | 0.243 | 0.194 | 0.216 | 0.270 | 0.247 |
| 17 | 411111 | 0.530 | 0.731 | 0.749 | 0.565 | 0.530 | 0.848 | 0.643 | 0.877 | 0.558 | 0.315 | 0.769 | 0.572 | 0.547 | 0.809 | 0.642 |
| 18 | 412111 | 0.557 | 0.728 | 0.709 | 0.520 | 0.557 | 0.752 | 0.706 | 0.772 | 0.595 | 0.333 | 0.603 | 0.499 | 0.560 | 0.643 | 0.600 |
| 19 | 413111 | 0.559 | 0.694 | 0.652 | 0.496 | 0.559 | 0.790 | 0.619 | 0.789 | 0.463 | 0.291 | 0.641 | 0.471 | 0.556 | 0.634 | 0.561 |
| 20 | 414111 | 0.491 | 0.600 | 0.561 | 0.370 | 0.491 | 0.637 | 0.566 | 0.663 | 0.413 | 0.204 | 0.510 | 0.352 | 0.366 | 0.428 | 0.490 |
| 21 | 414112 | 0.368 | 0.535 | 0.490 | 0.295 | 0.368 | 0.603 | 0.480 | 0.646 | 0.313 | 0.113 | 0.480 | 0.294 | 0.405 | 0.513 | 0.452 |
| 22 | 415314 | 0.155 | 0.170 | 0.161 | 0.070 | 0.155 | 0.235 | 0.134 | 0.200 | 0.110 | 0.021 | 0.090 | 0.110 | 0.130 | 0.182 | 0.172 |
| 23 | 513111 | 0.515 | 0.643 | 0.582 | 0.396 | 0.515 | 0.718 | 0.583 | 0.689 | 0.428 | 0.215 | 0.572 | 0.338 | 0.415 | 0.528 | 0.513 |
| 24 | 514111 | 0.409 | 0.592 | 0.544 | 0.362 | 0.409 | 0.631 | 0.557 | 0.673 | 0.376 | 0.185 | 0.509 | 0.355 | 0.369 | 0.479 | 0.477 |
| 25 | 515223 | 0.289 | 0.399 | 0.361 | 0.134 | 0.289 | 0.452 | 0.358 | 0.484 | 0.227 | 0.039 | 0.253 | 0.156 | 0.224 | 0.312 | 0.316 |
| 26 | 515311 | 0.387 | 0.534 | 0.515 | 0.249 | 0.387 | 0.612 | 0.473 | 0.650 | 0.346 | 0.100 | 0.376 | 0.237 | 0.322 | 0.407 | 0.404 |
| 27 | 515431 | 0.155 | 0.275 | 0.252 | 0.110 | 0.155 | 0.339 | 0.231 | 0.339 | 0.157 | 0.032 | 0.231 | 0.136 | 0.164 | 0.253 | 0.223 |
| 28 | 521111 | 0.530 | 0.698 | 0.658 | 0.550 | 0.530 | 0.722 | 0.675 | 0.784 | 0.479 | 0.378 | 0.679 | 0.553 | 0.572 | 0.632 | 0.562 |
| 29 | 525111 | 0.287 | 0.406 | 0.370 | 0.228 | 0.287 | 0.431 | 0.385 | 0.439 | 0.270 | 0.106 | 0.275 | 0.197 | 0.329 | 0.306 | 0.394 |
| 30 | 535111 | 0.261 | 0.414 | 0.377 | 0.187 | 0.261 | 0.474 | 0.367 | 0.480 | 0.252 | 0.080 | 0.276 | 0.159 | 0.256 | 0.337 | 0.278 |

[a] 1, Chief of section; 2, gunner; 3, assistant gunner; 4, driver.

[b] See Table 2 for task description.

Table E.2. FDC crewmember performance.

| No. | Symptom Complex | Crewmember Position[a] ($P_k$) 1 | 2 | 3 | Crewmember Tasks[b] ($P_{jk}$) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 112111 | 0.906 | 0.798 | 0.867 | 0.887 | 0.896 | 0.934 | 0.794 | 0.783 | 0.823 | 0.875 | 0.826 |
| 2 | 113111 | 0.944 | 0.861 | 0.882 | 0.911 | 0.945 | 0.964 | 0.851 | 0.864 | 0.874 | 0.890 | 0.847 |
| 3 | 113121 | 0.704 | 0.653 | 0.787 | 0.606 | 0.733 | 0.736 | 0.658 | 0.683 | 0.616 | 0.806 | 0.701 |
| 4 | 114111 | 0.779 | 0.743 | 0.769 | 0.683 | 0.769 | 0.882 | 0.741 | 0.764 | 0.725 | 0.787 | 0.693 |
| 5 | 123111 | 0.779 | 0.693 | 0.731 | 0.767 | 0.760 | 0.821 | 0.683 | 0.728 | 0.676 | 0.752 | 0.641 |
| 6 | 211111 | 0.702 | 0.697 | 0.742 | 0.598 | 0.702 | 0.792 | 0.752 | 0.714 | 0.608 | 0.778 | 0.600 |
| 7 | 213111 | 0.808 | 0.692 | 0.779 | 0.732 | 0.800 | 0.886 | 0.706 | 0.727 | 0.641 | 0.793 | 0.718 |
| 8 | 224111 | 0.482 | 0.461 | 0.568 | 0.406 | 0.471 | 0.578 | 0.460 | 0.534 | 0.407 | 0.583 | 0.592 |
| 9 | 311111 | 0.778 | 0.674 | 0.763 | 0.685 | 0.803 | 0.805 | 0.686 | 0.690 | 0.642 | 0.793 | 0.641 |
| 10 | 312111 | 0.693 | 0.685 | 0.747 | 0.576 | 0.720 | 0.745 | 0.688 | 0.669 | 0.696 | 0.778 | 0.624 |
| 11 | 313111 | 0.787 | 0.644 | 0.762 | 0.708 | 0.801 | 0.824 | 0.666 | 0.665 | 0.592 | 0.790 | 0.644 |
| 12 | 313112 | 0.650 | 0.624 | 0.722 | 0.502 | 0.721 | 0.673 | 0.616 | 0.637 | 0.624 | 0.766 | 0.563 |
| 13 | 314112 | 0.549 | 0.558 | 0.662 | 0.455 | 0.570 | 0.594 | 0.563 | 0.572 | 0.538 | 0.703 | 0.513 |
| 14 | 314113 | 0.428 | 0.453 | 0.555 | 0.320 | 0.461 | 0.480 | 0.458 | 0.489 | 0.414 | 0.603 | 0.397 |
| 15 | 315113 | 0.473 | 0.439 | 0.537 | 0.380 | 0.502 | 0.505 | 0.418 | 0.486 | 0.432 | 0.573 | 0.408 |
| 16 | 334231 | 0.370 | 0.431 | 0.504 | 0.248 | 0.421 | 0.423 | 0.437 | 0.493 | 0.377 | 0.551 | 0.354 |
| 17 | 411111 | 0.697 | 0.672 | 0.725 | 0.584 | 0.717 | 0.760 | 0.674 | 0.763 | 0.598 | 0.759 | 0.593 |
| 18 | 412111 | 0.767 | 0.693 | 0.754 | 0.667 | 0.785 | 0.816 | 0.675 | 0.711 | 0.705 | 0.786 | 0.624 |
| 19 | 413111 | 0.822 | 0.672 | 0.822 | 0.725 | 0.819 | 0.911 | 0.668 | 0.703 | 0.650 | 0.835 | 0.764 |
| 20 | 414111 | 0.698 | 0.596 | 0.693 | 0.557 | 0.731 | 0.769 | 0.586 | 0.644 | 0.570 | 0.728 | 0.560 |
| 21 | 414112 | 0.627 | 0.569 | 0.649 | 0.504 | 0.658 | 0.686 | 0.573 | 0.617 | 0.522 | 0.669 | 0.503 |
| 22 | 415314 | 0.271 | 0.237 | 0.346 | 0.188 | 0.277 | 0.367 | 0.289 | 0.384 | 0.227 | 0.378 | 0.242 |
| 23 | 513111 | 0.609 | 0.533 | 0.660 | 0.489 | 0.636 | 0.669 | 0.541 | 0.591 | 0.475 | 0.692 | 0.537 |
| 24 | 514111 | 0.625 | 0.550 | 0.640 | 0.535 | 0.653 | 0.651 | 0.556 | 0.566 | 0.525 | 0.682 | 0.489 |
| 25 | 515223 | 0.428 | 0.350 | 0.441 | 0.331 | 0.416 | 0.543 | 0.342 | 0.398 | 0.324 | 0.486 | 0.301 |
| 26 | 515311 | 0.509 | 0.440 | 0.568 | 0.347 | 0.525 | 0.686 | 0.433 | 0.528 | 0.386 | 0.587 | 0.488 |
| 27 | 515431 | 0.353 | 0.379 | 0.444 | 0.224 | 0.380 | 0.483 | 0.358 | 0.467 | 0.349 | 0.486 | 0.310 |
| 28 | 521111 | 0.597 | 0.554 | 0.642 | 0.464 | 0.625 | 0.676 | 0.568 | 0.557 | 0.531 | 0.675 | 0.515 |
| 29 | 525111 | 0.494 | 0.467 | 0.558 | 0.382 | 0.513 | 0.573 | 0.472 | 0.525 | 0.415 | 0.600 | 0.413 |
| 30 | 535111 | 0.411 | 0.378 | 0.479 | 0.312 | 0.419 | 0.503 | 0.364 | 0.437 | 0.354 | 0.522 | 0.338 |

[a] 1, Fire detection officer; 2, horizontal control operator; 3, computer.
[b] See Table 2 for task description.

Table E.3. Tank crewmember performance.

| No. | Symptom Complex | Crewmember Position[a] ($P_k$) | | | | Crewmember Tasks[b] ($P_{jk}$) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 112111 | 0.890 | 0.942 | 0.841 | 0.899 | 0.799 | 0.930 | 0.855 | 0.894 | 0.797 | 0.952 | 0.959 | 0.820 | 0.845 | 0.899 |
| 2 | 113111 | 0.902 | 0.925 | 0.836 | 0.910 | 0.788 | 0.951 | 0.864 | 0.905 | 0.771 | 0.933 | 0.945 | 0.829 | 0.838 | 0.910 |
| 3 | 113121 | 0.842 | 0.898 | 0.742 | 0.818 | 0.720 | 0.891 | 0.825 | 0.834 | 0.738 | 0.918 | 0.909 | 0.738 | 0.742 | 0.818 |
| 4 | 114111 | 0.685 | 0.799 | 0.594 | 0.672 | 0.528 | 0.716 | 0.609 | 0.772 | 0.566 | 0.855 | 0.802 | 0.588 | 0.595 | 0.672 |
| 5 | 123111 | 0.763 | 0.828 | 0.683 | 0.717 | 0.650 | 0.800 | 0.716 | 0.791 | 0.661 | 0.854 | 0.835 | 0.675 | 0.684 | 0.717 |
| 6 | 211111 | 0.857 | 0.879 | 0.815 | 0.868 | 0.708 | 0.905 | 0.834 | 0.862 | 0.741 | 0.889 | 0.894 | 0.795 | 0.820 | 0.868 |
| 7 | 213111 | 0.738 | 0.813 | 0.663 | 0.798 | 0.568 | 0.806 | 0.704 | 0.744 | 0.565 | 0.856 | 0.830 | 0.658 | 0.664 | 0.798 |
| 8 | 224111 | 0.567 | 0.655 | 0.518 | 0.624 | 0.422 | 0.628 | 0.519 | 0.588 | 0.478 | 0.688 | 0.662 | 0.591 | 0.506 | 0.624 |
| 9 | 311111 | 0.772 | 0.825 | 0.741 | 0.875 | 0.634 | 0.830 | 0.725 | 0.785 | 0.550 | 0.850 | 0.865 | 0.714 | 0.747 | 0.875 |
| 10 | 312111 | 0.720 | 0.782 | 0.666 | 0.751 | 0.573 | 0.783 | 0.669 | 0.736 | 0.585 | 0.812 | 0.795 | 0.697 | 0.660 | 0.751 |
| 11 | 313111 | 0.753 | 0.820 | 0.683 | 0.773 | 0.568 | 0.827 | 0.695 | 0.780 | 0.570 | 0.854 | 0.844 | 0.742 | 0.672 | 0.773 |
| 12 | 313112 | 0.523 | 0.629 | 0.444 | 0.576 | 0.303 | 0.605 | 0.473 | 0.578 | 0.375 | 0.682 | 0.648 | 0.519 | 0.432 | 0.576 |
| 13 | 314112 | 0.469 | 0.570 | 0.434 | 0.536 | 0.348 | 0.539 | 0.398 | 0.498 | 0.386 | 0.598 | 0.586 | 0.503 | 0.423 | 0.536 |
| 14 | 314113 | 0.335 | 0.455 | 0.254 | 0.440 | 0.220 | 0.364 | 0.307 | 0.371 | 0.254 | 0.477 | 0.490 | 0.327 | 0.243 | 0.440 |
| 15 | 315113 | 0.354 | 0.470 | 0.205 | 0.328 | 0.225 | 0.396 | 0.299 | 0.414 | 0.285 | 0.513 | 0.479 | 0.313 | 0.191 | 0.328 |
| 16 | 334231 | 0.317 | 0.434 | 0.335 | 0.390 | 0.192 | 0.375 | 0.278 | 0.341 | 0.305 | 0.454 | 0.443 | 0.400 | 0.324 | 0.390 |
| 17 | 411111 | 0.660 | 0.752 | 0.704 | 0.788 | 0.462 | 0.748 | 0.644 | 0.711 | 0.443 | 0.803 | 0.787 | 0.590 | 0.733 | 0.788 |
| 18 | 412111 | 0.753 | 0.812 | 0.681 | 0.772 | 0.619 | 0.804 | 0.714 | 0.766 | 0.614 | 0.829 | 0.835 | 0.707 | 0.676 | 0.772 |
| 19 | 413111 | 0.692 | 0.784 | 0.642 | 0.763 | 0.465 | 0.784 | 0.641 | 0.716 | 0.504 | 0.842 | 0.800 | 0.656 | 0.640 | 0.763 |
| 20 | 414111 | 0.633 | 0.717 | 0.521 | 0.635 | 0.479 | 0.687 | 0.598 | 0.651 | 0.496 | 0.741 | 0.744 | 0.589 | 0.509 | 0.635 |
| 21 | 414112 | 0.488 | 0.582 | 0.446 | 0.565 | 0.323 | 0.571 | 0.424 | 0.520 | 0.268 | 0.646 | 0.636 | 0.455 | 0.444 | 0.565 |
| 22 | 415314 | 0.174 | 0.207 | 0.121 | 0.228 | 0.095 | 0.199 | 0.153 | 0.206 | 0.097 | 0.242 | 0.216 | 0.193 | 0.112 | 0.228 |
| 23 | 513111 | 0.603 | 0.708 | 0.607 | 0.690 | 0.470 | 0.673 | 0.543 | 0.618 | 0.503 | 0.745 | 0.720 | 0.620 | 0.604 | 0.690 |
| 24 | 514111 | 0.488 | 0.645 | 0.492 | 0.635 | 0.304 | 0.577 | 0.424 | 0.526 | 0.371 | 0.697 | 0.674 | 0.476 | 0.495 | 0.635 |
| 25 | 515223 | 0.332 | 0.430 | 0.247 | 0.364 | 0.241 | 0.378 | 0.266 | 0.381 | 0.223 | 0.480 | 0.448 | 0.283 | 0.241 | 0.364 |
| 26 | 515311 | 0.378 | 0.518 | 0.326 | 0.398 | 0.250 | 0.425 | 0.306 | 0.454 | 0.274 | 0.565 | 0.548 | 0.428 | 0.311 | 0.398 |
| 27 | 515431 | 0.261 | 0.394 | 0.206 | 0.332 | 0.131 | 0.315 | 0.242 | 0.286 | 0.179 | 0.444 | 0.426 | 0.313 | 0.193 | 0.332 |
| 28 | 521111 | 0.563 | 0.643 | 0.544 | 0.652 | 0.436 | 0.628 | 0.512 | 0.573 | 0.477 | 0.663 | 0.658 | 0.548 | 0.543 | 0.652 |
| 29 | 525111 | 0.273 | 0.375 | 0.247 | 0.351 | 0.183 | 0.291 | 0.243 | 0.317 | 0.231 | 0.428 | 0.368 | 0.350 | 0.233 | 0.351 |
| 30 | 535111 | 0.312 | 0.386 | 0.215 | 0.333 | 0.202 | 0.365 | 0.243 | 0.375 | 0.201 | 0.441 | 0.395 | 0.294 | 0.204 | 0.333 |

[a] 1, Tank commander; 2, horizontal control operator; 3, loader; 4, driver.
[b] See Table 2 for task description.

Table E.4. TOW crewmember performance.

| No. | Symptom Complex | Crewmember Position[a] ($P_k$) 1 | 2 | 3 | 4 | Crewmember Tasks[b] ($P_{jk}$) 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 112111 | 0.899 | 0.865 | 0.964 | 0.872 | 0.906 | 0.883 | 0.799 | 0.886 | 0.964 | 0.876 | 0.869 |
| 2 | 112121 | 0.891 | 0.863 | 0.948 | 0.857 | 0.902 | 0.869 | 0.780 | 0.890 | 0.948 | 0.857 | 0.857 |
| 3 | 113111 | 0.868 | 0.830 | 0.917 | 0.882 | 0.871 | 0.860 | 0.758 | 0.853 | 0.917 | 0.874 | 0.890 |
| 4 | 113121 | 0.813 | 0.768 | 0.895 | 0.824 | 0.816 | 0.807 | 0.692 | 0.793 | 0.895 | 0.818 | 0.831 |
| 5 | 114111 | 0.718 | 0.596 | 0.786 | 0.558 | 0.695 | 0.767 | 0.428 | 0.672 | 0.786 | 0.566 | 0.550 |
| 6 | 123111 | 0.766 | 0.719 | 0.873 | 0.748 | 0.769 | 0.759 | 0.612 | 0.758 | 0.873 | 0.745 | 0.750 |
| 7 | 211111 | 0.879 | 0.853 | 0.945 | 0.876 | 0.882 | 0.873 | 0.801 | 0.869 | 0.945 | 0.864 | 0.888 |
| 8 | 213111 | 0.791 | 0.627 | 0.856 | 0.703 | 0.800 | 0.774 | 0.477 | 0.689 | 0.856 | 0.713 | 0.693 |
| 9 | 224111 | 0.605 | 0.539 | 0.785 | 0.606 | 0.618 | 0.581 | 0.397 | 0.600 | 0.785 | 0.598 | 0.615 |
| 10 | 311111 | 0.826 | 0.750 | 0.926 | 0.833 | 0.830 | 0.819 | 0.637 | 0.790 | 0.926 | 0.835 | 0.831 |
| 11 | 312111 | 0.710 | 0.638 | 0.854 | 0.765 | 0.735 | 0.664 | 0.507 | 0.689 | 0.854 | 0.769 | 0.760 |
| 12 | 313111 | 0.696 | 0.656 | 0.901 | 0.730 | 0.711 | 0.670 | 0.505 | 0.718 | 0.901 | 0.732 | 0.729 |
| 13 | 313112 | 0.513 | 0.454 | 0.641 | 0.446 | 0.516 | 0.506 | 0.336 | 0.505 | 0.641 | 0.432 | 0.461 |
| 14 | 314112 | 0.498 | 0.412 | 0.586 | 0.397 | 0.517 | 0.464 | 0.261 | 0.494 | 0.586 | 0.385 | 0.409 |
| 15 | 314113 | 0.402 | 0.316 | 0.455 | 0.207 | 0.408 | 0.390 | 0.196 | 0.384 | 0.455 | 0.197 | 0.219 |
| 16 | 315113 | 0.325 | 0.278 | 0.442 | 0.212 | 0.342 | 0.296 | 0.158 | 0.355 | 0.442 | 0.185 | 0.249 |
| 17 | 334231 | 0.287 | 0.209 | 0.391 | 0.251 | 0.296 | 0.270 | 0.103 | 0.296 | 0.391 | 0.235 | 0.269 |
| 18 | 411111 | 0.743 | 0.658 | 0.923 | 0.785 | 0.735 | 0.758 | 0.527 | 0.709 | 0.923 | 0.789 | 0.780 |
| 19 | 412111 | 0.770 | 0.750 | 0.893 | 0.756 | 0.781 | 0.747 | 0.642 | 0.787 | 0.893 | 0.758 | 0.755 |
| 20 | 413111 | 0.699 | 0.604 | 0.827 | 0.686 | 0.696 | 0.704 | 0.423 | 0.687 | 0.827 | 0.681 | 0.691 |
| 21 | 414111 | 0.648 | 0.545 | 0.741 | 0.525 | 0.653 | 0.639 | 0.393 | 0.612 | 0.741 | 0.530 | 0.521 |
| 22 | 414112 | 0.495 | 0.415 | 0.586 | 0.398 | 0.499 | 0.488 | 0.248 | 0.514 | 0.586 | 0.383 | 0.414 |
| 23 | 415314 | 0.211 | 0.180 | 0.301 | 0.130 | 0.203 | 0.228 | 0.104 | 0.228 | 0.301 | 0.130 | 0.131 |
| 24 | 513111 | 0.592 | 0.511 | 0.729 | 0.567 | 0.629 | 0.531 | 0.362 | 0.580 | 0.729 | 0.570 | 0.565 |
| 25 | 514111 | 0.542 | 0.467 | 0.700 | 0.468 | 0.553 | 0.522 | 0.315 | 0.542 | 0.700 | 0.458 | 0.479 |
| 26 | 515223 | 0.318 | 0.170 | 0.315 | 0.136 | 0.296 | 0.371 | 0.075 | 0.265 | 0.315 | 0.117 | 0.161 |
| 27 | 515311 | 0.402 | 0.282 | 0.530 | 0.235 | 0.399 | 0.409 | 0.145 | 0.387 | 0.530 | 0.208 | 0.269 |
| 28 | 515431 | 0.267 | 0.179 | 0.344 | 0.168 | 0.256 | 0.292 | 0.079 | 0.280 | 0.344 | 0.152 | 0.188 |
| 29 | 521111 | 0.722 | 0.633 | 0.776 | 0.687 | 0.737 | 0.693 | 0.515 | 0.677 | 0.776 | 0.682 | 0.692 |
| 30 | 525111 | 0.378 | 0.337 | 0.468 | 0.174 | 0.397 | 0.344 | 0.196 | 0.424 | 0.468 | 0.170 | 0.178 |
| 31 | 535111 | 0.365 | 0.287 | 0.457 | 0.233 | 0.371 | 0.353 | 0.174 | 0.351 | 0.457 | 0.227 | 0.240 |
| 32 | 111121 | 0.934 | 0.914 | 0.973 | 0.930 | 0.940 | 0.921 | 0.873 | 0.926 | 0.973 | 0.921 | 0.939 |
| 33 | 111131 | 0.676 | 0.613 | 0.780 | 0.699 | 0.682 | 0.663 | 0.472 | 0.670 | 0.780 | 0.692 | 0.706 |
| 34 | 112131 | 0.615 | 0.557 | 0.771 | 0.620 | 0.631 | 0.586 | 0.400 | 0.628 | 0.771 | 0.618 | 0.623 |
| 35 | 113131 | 0.648 | 0.576 | 0.753 | 0.628 | 0.672 | 0.604 | 0.444 | 0.629 | 0.753 | 0.632 | 0.624 |
| 36 | 114112 | 0.489 | 0.425 | 0.528 | 0.344 | 0.496 | 0.477 | 0.288 | 0.492 | 0.528 | 0.326 | 0.365 |
| 37 | 212111 | 0.833 | 0.742 | 0.882 | 0.788 | 0.844 | 0.814 | 0.669 | 0.766 | 0.882 | 0.793 | 0.763 |
| 38 | 214112 | 0.452 | 0.416 | 0.574 | 0.377 | 0.459 | 0.438 | 0.274 | 0.489 | 0.574 | 0.376 | 0.378 |
| 39 | 214113 | 0.343 | 0.256 | 0.455 | 0.191 | 0.347 | 0.335 | 0.146 | 0.325 | 0.455 | 0.185 | 0.198 |
| 40 | 314111 | 0.580 | 0.491 | 0.701 | 0.501 | 0.585 | 0.570 | 0.339 | 0.563 | 0.701 | 0.507 | 0.494 |

[a] 1, Squad leader; 2, gunner; 3, driver; 4, loader.
[b] See Table 2 for task description.

## Appendix F

## PERFORMANCE-DATA REGRESSION MODELING

G. Hall

### INTRODUCTION

This appendix addresses the problem of fitting linear regression models to data, focusing on the task of fitting least squares regression equations and assessing the accuracy of the fit. Most basic texts describe the general least squares mode and the methodology used to obtain, for example, regression parameter estimates, standard errors, Student's t-statistics, and the analysis of variance table (e.g., Cook and Weisberg [1982], Draper and Smith [1982], Daniel and Wood [1980], Mosteller and Tukey [1977], and Seber [1977]). Although a review is provided here, we assume some familiarity with least squares models.

We discuss how to select and develop models that fit the data well, how to use regression diagnostics to detect model anomalies (e.g., outliers, leverage points), and what to do about them. We address multicollinearity, correlation among model error terms, and transformation of the response and factor variables.

### GENERAL LINEAR MODEL

Assume a data set of n observations or cases, where the *ith* case consists of an observation of a response variable $y_i$ and measures of p' explanatory (factor) variables $x_{i1}, x_{i2}, \ldots, x_{ip'}$. Let $x_i$ be the vector $x_i' = (1, x_{i1}, \ldots, x_{ip'})$ and $p = p' + 1$. We assume that the response variable $y_i$ is related to the factor variables $x_i$ by a model of the form

$$y_i = G(x_i; \beta; \varepsilon_i) , \qquad \text{(F.1a)}$$

where the functional form of G is specified, β is a vector of unknown parameters to be estimated from the data, and $\varepsilon_i$ is an *unobservable* random error. More generally, the left-hand side of Eq. (F.1a) may be replaced by a function F(y) of y; that is, we may have



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$$F(y_i) = G(x_i;\ \beta;\ \varepsilon_i)\ , \tag{F.1b}$$

where, for example, $F(\cdot)$ could be

$$F(y) = \log y\ , \tag{F.2a}$$

$$F(y) = \log\left(\frac{y}{1-y}\right)\ , \tag{F.2b}$$

$$F(y) = y^{1/2}\ , \tag{F.2c}$$

$$F(y) = \frac{y^{\lambda} - 1}{\lambda}\ , \qquad \text{some } \lambda\ . \tag{F.2d}$$

Choice of a transformation F is discussed below (pp. 384-386). For now, we assume $F(y) = y$.

Faced with the choice of specifying a form for G, and lacking any theoretical considerations that might suggest one, we initially assume that G is of the form

$$G(x_i;\ \beta;\ \varepsilon_i) = x_i'\beta + \varepsilon_i\ .$$

Thus the model is

$$\begin{aligned} y_i &= x_i'\beta + \varepsilon_i \\ &= \sum_{j=0}^{p'} x_{ij}\beta_j + \varepsilon_i\ , \end{aligned} \tag{F.3}$$

where $\beta' = (\beta_0, \beta_1, \ldots, \beta_{p'})$ is an unknown vector of regression parameters to be estimated from the data and $\varepsilon_i$ is an unobservable random error term.

In matrix notation, let Y be the $n \times 1$ vector of responses:

$$Y = \begin{bmatrix} y_1 \\ y_2 \\ \vdots \\ y_n \end{bmatrix} .$$

Let X be the (n × p) factor matrix whose *ith* row is $x_i'$:

$$X = \begin{bmatrix} 1, & x_{11}, & \ldots, & x_{1p}' \\ 1, & x_{21}, & \ldots, & x_{2p}' \\ & & \vdots & \\ 1, & x_{n1}, & \ldots, & x_{np}' \end{bmatrix} .$$

Finally, let ε be the n × 1 vector of unobservable error terms.

Then the linear model relating the response Y to the factor matrix X is

$$Y = X\beta + \varepsilon . \tag{F.4}$$

The model is termed *linear* because it is linear in the regression vector β. If the model were, say,

$$y_i = e^{x_i'\beta} + \varepsilon_i , \tag{F.5}$$

then it would be nonlinear because it is nonlinear in β. If some variables in X were nonlinear functions of other variables in X, the model would still be linear as long as Eq. (F.4) is the assumed model. For example, if X contains quadratic and cross-product terms involving other factor variables, Eq. (F.4) would still yield a linear model.

In addition to Eq. (F.4), the usual modeling assumptions are as follows:

1. $E\varepsilon_i = 0$ (appropriate model).
2. The unobservable error terms $\varepsilon_1, \varepsilon_2, \ldots, \varepsilon_n$ all have the same variance, var $(\varepsilon_i) = \sigma^2$.
3. The error terms are uncorrelated, cov $(\varepsilon_i, \varepsilon_\ell) = 0$, $i \neq \ell$.
4. The error in measuring x is small relative to var $\varepsilon_i$.
5. The error terms $\varepsilon$ and factor variables X are uncorrelated.
6. The error terms $\varepsilon_i$ are approximately normally distributed.

In the model developed here, assumptions 1, 4, and 5 are always true.

Standard least squares regression references show that the least squares estimate for $\beta$ is

$$\hat{\beta} = (X'X)^{-1}X'Y \ , \tag{F.6}$$

and the estimate for the variance $\sigma^2$ of the error term is

$$\hat{\sigma}^2 = \frac{1}{n - p}\sum_{i=1}^{n} (y_i - \hat{y}_i)^2 \ , \tag{F.7}$$

where $\hat{y}_i$ is the prediction of $y_i$,

$$y_i = x_i'\hat{\beta} \ ,$$

and $e_i = y_i - \hat{y}_i$ is the *ith* residual. The vector of predictions $\hat{Y}$ is $\hat{Y} = X\hat{\beta}$ and the vector of residuals is $e = Y - \hat{Y}$. Least squares methodology selects $\hat{\beta}$ to minimize the vector inner product

$$e'e = (Y - X\hat{\beta})'(Y - X\hat{\beta})$$

$$= \sum_{i=1}^{n} (y_i - x_i\hat{\beta})^2 \ .$$

Since

$$\hat{\beta} = (X'X)^{-1}X'Y ,$$

then

$$\hat{Y} = X\hat{\beta}$$

$$= X(X'X)^{-1}X'Y .$$

Thus, if

$$H = X(X'X)^{-1}X' ,$$

then

$$\hat{Y} = HY ,$$

$$e = Y - \hat{Y}$$

$$= (I - H)Y .$$

The matrix H is both symmetric ($H' = H$) and idempotent ($H^2 = H$), and is the linear transformation that orthogonally projects any n vector onto the space spanned by the columns of X.

Since the linear model is $Y = X\beta + \varepsilon$ and $(I - H)X\beta = 0$, we compute

$$e = (I - H)Y$$

$$= (I - H)(X\beta + \varepsilon)$$

$$= (I - H)\varepsilon .$$

Then, if $H = (h_{ij})$, in scalar form we have

$$e_i = \varepsilon_i - \sum_{j=1}^{n} h_{ij}\varepsilon_j \ .$$

Thus the relationship between the unobservable model errors ($\varepsilon_i$) and the computed residuals ($e_i$) depends solely on $H = X(X'X)^{-1}X'$--i.e., on the factor variables. If all the $h_{ij}$ are sufficiently small, e will serve as a reasonable substitute for $\varepsilon$; otherwise, the usefulness of e may be limited.

Returning to Eq. (F.6), we reexpress $\hat{\beta}$ as

$$\begin{aligned}\hat{\beta} &= (X'X)^{-1}X'Y \\ &= (X'X)^{-1}X'(X\beta + \varepsilon) \\ &= \beta + (X'X)^{-1}X'\varepsilon \ .\end{aligned}$$

Thus, since we assumed that $E\varepsilon = 0$, the expected value $E\hat{\beta}$ of $\hat{\beta}$ is

$$\begin{aligned}E\hat{\beta} &= \beta + (X'X)^{-1}X'E\varepsilon \\ &= \beta \ . \end{aligned} \tag{F.8}$$

That is, $\hat{\beta}$ is an unbiased estimate of $\beta$, whether or not the error terms $\varepsilon$ have constant variance $\sigma^2$, are uncorrelated, or are normally distributed. It is still essential that X and $\varepsilon$ be uncorrelated. The estimate $\hat{\sigma}^2$ of $\sigma^2$, however, is affected by violation of the model assumptions, as discussed below (pp. 19-25).

Since $\hat{\beta} = \beta + (X'X)^{-1}X'\varepsilon$, if it is assumed that var $\varepsilon = \sigma^2 I$, where I is the $n \times n$ identity matrix (i.e., the error terms $\varepsilon_i$ have the same constant variance $\sigma^2$ and are uncorrelated), then

$$\begin{aligned} \operatorname{var} \hat{\beta} &= \operatorname{var} [(X'X)^{-1}X'\varepsilon] \\ &= (X'X)^{-1}X' (\operatorname{var} \varepsilon)X(X'X)^{-1} \\ &= \sigma^2 (X'X)^{-1} . \end{aligned} \tag{F.9}$$

Equation (F.9) is the expression for the variance/covariance matrix of $\hat{\beta}$. The corresponding estimated variance/covariance matrix is $\hat{\sigma}^2(X'X)^{-1}$.

Again, if it is not the case that var $\varepsilon = \sigma^2 I$ (if, for example, var $\varepsilon = \sigma^2 V$, where V is not the identity matrix I), then Eq. (F.9) will give an incorrect assessment of the variance of $\hat{\beta}$.

Typical Output from Regression Package

In addition to providing the estimates $\hat{\beta}$ of $\beta$ and $\hat{\sigma}^2$ of $\sigma^2$, current computer packages also provide the standard errors (standard deviations) of the regression parameter estimates, the corresponding Student's t-statistics, and $R^2$. These statistical parameters are described here.

Recall that the variance/covariance matrix of $\hat{\beta}$ is the p × p matrix

$$\sigma^2(X'X)^{-1} ,$$

and its estimate is $\hat{\sigma}^2(X'X)^{-1}$. For each j, $1 \leq j \leq p$, the standard error of the estimate $\hat{\beta}_j$--i.e., its standard deviation--is the square root of the $j$*th* diagonal element,

$$\hat{\sigma} \sqrt{[(X'X)^{-1}]_{jj}} .$$

We denote this as $\hat{\sigma}_{\beta_j}$.

The corresponding Student's t-statistic for $\hat{\beta}_j$ is

$$t_j = \frac{\hat{\beta}_j}{\hat{\sigma}_{\beta_j}} .$$

This statistic is used to test the null hypothesis $H_0$: $\beta_j = 0$ against the alternative $H_A$: $\beta_j \neq 0$. The statistic is Student's t, with n - p degrees of freedom. If $t(n - p, 1 - \alpha/2)$ is the value for which $\alpha/2$ percent of the t distribution is greater than $t(n - p, 1 - \alpha/2)$ [and, by symmetry, $\alpha/2$ percent less than $-t(n - p, 1 - \alpha/2)$] and if

$$|t_j| \geq t\left(n - p, 1 - \frac{\alpha}{2}\right) ,$$

then $H_0$ is rejected in favor of $H_A$. Generally, for $n - p \geq 12$, $t(n - p, 1 - \alpha/2) \approx 2.0$.

One global measure of the precision of the estimated regression is the multiple correlation coefficient $R^2$. To derive $R^2$, note that the *ith* residual $e_i$ may be written

$$\begin{aligned} e_i &= y_i - \hat{y}_i \\ &= y_i - \bar{y} - (\hat{y}_i - \bar{y}) . \end{aligned}$$

Taking the square and summing over the n cases, we obtain [Draper and Smith, 1981]

$$\sum_i e_i^2 = \sum_i (y_i - \bar{y})^2 - \sum_i (\hat{y}_i - \bar{y})^2$$

or

$$\sum (y_i - \bar{y})^2 = \sum e_i^2 + \sum (\hat{y}_i - \bar{y})^2 .$$

The left-hand side is referred to as the sum of squares about the mean, or the corrected sum of the squares of y. Since $e_i$ is the *ith* residual and $\hat{y}_i - \bar{y}$ is the deviation of the *ith* predicted value $\hat{y}_i$ from the mean, this equation says that

$$\text{Sum of squares about the mean} = \text{Sum of squares about regression} + \text{Sum of squares due to regression} .$$

Thus, some of the variation in y about the mean can be ascribed to the regression and some, $\Sigma e_i^2$, to the fact that not all of the observed $y_i$ lie on the regression line.

Now $\Sigma(y_i - \bar{y})^2$ is fixed, since it is a function of the observed data. The sums $\Sigma e_i^2$ and $\Sigma(\hat{y}_i - \bar{y})^2$ depend on the model chosen (the form of the model, selection of x variables, outliers, etc.). We desire that $\Sigma e_i^2$, the sum of squared residuals, be small. Dividing both sides of the identity by $\Sigma(y_i - \bar{y})^2$, we obtain

$$1 = \frac{\sum e_i^2}{\sum (y_i - \bar{y})^2} + \frac{\sum (\hat{y}_i - \bar{y})^2}{\sum (y_i - \bar{y})^2} .$$

Thus, the model may be regarded as "good" if $R^2$ is near unity, which is given as

$$R^2 = \frac{\sum (\hat{y}_i - \bar{y})^2}{\sum (y_i - \bar{y})^2}$$

$$= 1 - \frac{\sum e_i^2}{\sum (y_i - \bar{y})^2} .$$

Note that $0 \le R^2 \le 1$, always.

However, as seen below (p. 384), $R^2$ is not the only measure of the accuracy of the model. It should also be noted that the sum $\Sigma(y_i - \bar{y})^2$ has $n - 1$ degrees of freedom, $\Sigma e_i^2$ has $n - p' - 1$ degrees of freedom, and $\Sigma(\hat{y}_i - \bar{y})^2$ has $p'$ degrees of freedom. Equivalently, $\Sigma y_i^2$ has n degrees of freedom, $n\bar{y}^2$ has one degree of freedom, $\Sigma e_i^2$ has $n - p$ degrees of freedom $(p = p' + 1)$, and $\Sigma \hat{y}_i^2$ has p degrees of freedom. The statistical parameters discussed in this subsection provide the basis for the standard analysis of variance tables from regression packages.

Confidence Bounds

Here we discuss confidence bounds for the *conditional mean* of y, given x, and bounds on a *future* observed value, given x. If $y = x'\beta + \varepsilon$ and $\hat{\beta}$ is a least squares estimate of $\beta$, then, as we saw earlier,

$$\text{var } \hat{\beta} = \sigma^2 (X'X)^{-1} .$$

Thus, $x'\hat{\beta}$ is the predicted value of the conditional mean, $E(y|x) = x'\beta$, and the variance is

$$\begin{aligned} \text{var } (x'\hat{\beta}) &= x' \ (\text{var } \hat{\beta})x \\ &= \sigma^2 x'(X'X)^{-1}x \\ &= \sigma^2 h \ , \end{aligned}$$

where

$$h = x'(X'X)^{-1}x \ .$$

A "two sigma" or "two standard deviation" confidence band on the conditional mean $E(y|x) = x'\beta$ is

$$(x'\hat{\beta} - 2\sigma \sqrt{h}, \ x'\hat{\beta} + 2\sigma \sqrt{h}) \ .$$

This confidence interval depends only on the uncertainty in the estimate $\hat{\beta}$ of $\beta$. If there were no uncertainty in $\hat{\beta}$, then var $(x'\hat{\beta}) = 0$ and the confidence interval would have zero width.

Regarded as a function of x, the band $[L(x), U(x)]$ provides an approximate, 95 percent confidence band on the regression surface, if $L(x) = x'\hat{\beta} - 2\sigma \sqrt{h}$, $U(x) = x'\hat{\beta} + 2\sigma \sqrt{h}$.

A related, but different problem is that of predicting an actual response y, given a new x. The prediction of the observed $y = x'\beta + \varepsilon$ is $x'\hat{\beta}$, but its variance is now

$$\mathrm{var}\ (x'\hat{\beta} + \varepsilon) = \mathrm{var}\ (x'\hat{\beta}) + \mathrm{var}\ \varepsilon$$

$$= \sigma^2 h + \sigma^2$$

$$= \sigma^2(1 + h)\ .$$

Thus, the upper and lower 95 percent confidence bounds on a future observed value are

$$L_0 = x'\hat{\beta} - 2\sigma\sqrt{1 + h}\ ,$$

$$U_0 = x'\hat{\beta} + 2\sigma\sqrt{1 + h}\ ,$$

which can be much wider than the earlier interval, if $h << 1$. For the actual data, the interval $(U_0, L_0)$ should contain roughly 95 percent of the observed values of y, whereas $[L(x), U(x)]$ will contain a much smaller percentage.

REGRESSION DIAGNOSTICS

This section discusses various diagnostics used for assessing the accuracy of linear regression models. The diagnostics include two basic components, described above (p. 373). The two basic building blocks for assessirg accuracy are

1. The computed residuals,

$$e = Y - \hat{Y}$$
$$= (I - H)Y\ .$$

2. The Tukey hat matrix H,

$$H = X(X'X)^{-1}X'\ .$$

The *ith* elements of the two building blocks are, respectively,

1. $e_i = y_i - \hat{y}_i$

$$= y_i - x_i'\hat{\beta} \text{ ,}$$

2. $h_{ij} = x_i'(X'X)^{-1}x_j$ ,   $1 \leq j \leq n$ .

All commonly used current regression diagnostics are based on these two quantities or slight modifications. Among th most useful of diagnostics using residuals are

1. The residuals $e_i = y_i - \hat{y}_i$ themselves, which can be used in

   - Plot $e_i$ versus $\hat{y}_i$.
   - Plot $e_i$ versus each individual $x_{ij}$.
   - Plot $e_i$ against other variables left out of the model.

   Unfortunately, var $e_i = \sigma^2(1 - h_{ii})$, so these residuals do not have constant variance.

2. The internal studentized residuals,

$$r_i = \frac{e_i}{\hat{\sigma}\sqrt{1 - h_{ii}}} \text{ .}$$

Unlike the ordinary residuals in diagnostic 1, the $r_i$ have common constant variance 1. Therefore, the plots mentioned in diagnostic 1, using the $r_i$ rather than the $e_i$, are more useful. Normal probability plots of the $r_i$ plotted on normal probability paper are also more useful for assessing normality than plots of the $e_i$.

Residuals are also used to discover which cases [i.e., pairs $(x_i, y_i)$] are outliers in the response space Y, i.e., cases for which $e_i = y_i - x_i'\beta$ is large. But if $|e_i|$ is large, does case i have a significant effect on the estimates $\hat{\beta}$ and/or $\hat{\sigma}$? What would happen if the ith case were removed from the data base (as is frequently done with

outliers)? If $\hat{\beta}_{(i)}$ and $\hat{\sigma}_{(i)}$ are the estimates of $\beta$ and $\sigma$ with case i removed, how different are $\hat{\beta}_{(i)}$ and $\hat{\beta}$, $\hat{\sigma}_{(i)}$ and $\hat{\sigma}$?

The answers to those questions depend in part on the position of $x_i$ in the factor (explanatory variable) space. Ultimately, they depend on the hat matrix H. Recall that $H = X(X'X)^{-1}X'$ is an idempotent symmetric projection matrix, and that

$$\hat{Y} = HY,$$

$$e = (I - H)Y$$

$$= (I - H)\varepsilon \ .$$

Since $(I - H)H = 0$ (idempotency), the predicted value $\hat{Y}$ and the residuals e are orthogonal.

Also, since H is idempotent and symmetric, it follows that

$$\text{tr}\ (H) = \text{rank}\ (H) = p\ ,$$

$$\sum_{j=1}^{n} h_{ij}^2 = h_{ii}\ .$$

Note that

$$\text{tr}\ (H) = \sum_{i=1}^{n} h_{ii}\ .$$

Moreover, it can be shown [Cook and Weisberg, 1982] that, if c is the number of times the *ith* row of X--$x_i'$--is replicated, then

$$\frac{1}{n} \leq h_{ii} \leq \frac{1}{c}\ .$$

For the IDP regression analysis, each row is replicated only once, so

$$\frac{1}{n} \lesssim h_{ii} \lesssim 1 .$$

Since

$$\sum_{i=1}^{n} h_{ii} = p ,$$

then

$$\frac{1}{n}\sum_{i=1}^{n} h_{ii} = \frac{p}{n} = \bar{h} ,$$

the average. Recall that var $e_i = \sigma^2(1 - h_{ii})$. Thus, if $h_{ii} = 1$, then var $e_i = 0$, so $\hat{y}_i = y_i$--i.e., the *ith* case is fitted perfectly. Such extreme cases are rare but possible. The farther a value $h_{ii}$ is from the average p/n toward 1, the more influential is the *ith* case on the estimates $\hat{\beta}$ and $\hat{\sigma}$. For the models selected in the Intermediate Dose Program, p = 7 and n = 30, so $\bar{h} = p/n \simeq 0.23$. But there are three cases (symptom complexes 16, 22, 27) for which $h_{ii}$ is greater than 0.6. Those cases are high-leverage points. Thus, the residuals $e_i$ and $r_i$ are measures of outliers in the response space Y, and high-leverage points are measured by the diagonal elements $h_{ii}$ of the Tukey hat matrix $H = X(X'X)^{-1}X'$, which depends only on the factor variable matrix X. The elements $\{h_{ii}\}$ are a measure of how far out in the factor space X each factor variable $x_i$ lies.

A third class of diagnostics combines measures of extremeness in the response space Y with measures of extremeness in the factor space X. These are referred to as influence diagnostics or influence measures. As mentioned earlier, a case i is important or influential if deletion of case i from the data base causes a significant shift in the estimate of β. Letting

$$\hat{\beta} = \text{estimate of } \beta \text{ based on full data set },$$

$$\hat{\beta}_{(i)} = \text{estimate of } \beta \text{ with } i\mathit{th} \text{ case deleted },$$

we seek the difference

$$\Delta\beta_{(i)} = \hat{\beta}_{(i)} - \hat{\beta} , \qquad 1 \le i \le n .$$

If $\Delta\beta_i$ is large relative to some suitable scale, then case i is deemed influential and should be examined to see if something unique or unusual might justify its permanent exclusion from the data base.

Alternatively, the relationship between y and x may be somehow different from the model specification in a neighborhood of the case $(x_i, y_i)$. Consequently, we seek a suitable norm, $\|\Delta\beta_i\|$, to assess the significance of $\Delta\beta_i$. Since $\Delta\beta_i$ is a p-dimensional vector, from vector-space theory a general class of useful norms is determined by a symmetric, positive semidefinite p × p matrix M and a positive scale factor c:

$$\begin{aligned} \|\Delta\beta_i\| &= D_i(M, c) \\ &= \frac{(\Delta\beta_i')M(\Delta\beta_i)}{c} \\ &= \frac{(\hat{\beta}_{(i)} - \hat{\beta})'M(\hat{\beta}_{(i)} - \hat{\beta})}{c} . \end{aligned}$$

One of the most useful choices is $M = X'X$ and $c = p\hat{\sigma}^2$. We obtain

$$\begin{aligned} D_i &= D_i(X'X, p\hat{\sigma}^2) \\ &= \frac{(\hat{\beta}_{(i)} - \hat{\beta})(X'X)(\hat{\beta}_{(i)} - \hat{\beta})}{p\hat{\sigma}^2} . \end{aligned}$$

This metric norm, known as *Cook's distance*, is algebraically equivalent to

$$D_i = \frac{1}{p} r_i^2 \frac{h_{ii}}{1 - h_{ii}},$$

where $r_i$ are the studentized residuals and $h_{ii}$ are the diagonal elements of the hat matrix. Case i is influential if $D_i$ is large, and $D_i$ is large if

1. $|r_i|$ is large and $h_{ii}$ is moderate (an outlier in response space).
2. $|r_i|$ is moderate and $h_{ii}$ is large (a high-leverage point in factor space).
3. Both $|r_i|$ and $h_{ii}$ are moderately large.

The exact definition of "large" will depend on the problem, but a basis for comparison is usually obtained with $D_i$ greater than 1, corresponding to distances between $\hat{\beta}$ and $\hat{\beta}_{(i)}$ beyond a 50 percent confidence region (using an F distribution with p and n - p degrees of freedom).

In the IDP, the largest Cook's-distance values for the linear model with the six factor variables were around 0.6 to 0.7. A value of 0.6 corresponds to a 25 percent confidence ellipsoid for an F distribution with 7 and 23 degrees of freedom. Thus, none of the 30 symptom complex combinations would be considered particularly influential, indicating that the model is reasonable.

TRANSFORMING THE RESPONSE VARIABLE

When the original response variable is not normal, a transformation of it may be sufficiently close to normal to allow application of the appropriate normal theory methods. Ideally, a transformation should permit a model with constant error variance, approximately normal errors, and an easily interpreted and scientifically meaningful structure.

In the IDP, the selected response variable y is basically a ratio of two times, and is always in the closed interval [0, 1], i.e., $0 \le y \le 1$. Thus, the response variable is restricted in range. If the usual linear model is selected, i.e.,

$$y = x'\beta + \varepsilon ,$$

then it is quite possible to obtain predicted values $x'\hat{\beta}$ that lie outside the interval [0, 1]. Moreover, even if $x'\hat{\beta}$ were in [0, 1] for values of x of practical interest, upper and lower 95 percent confidence bounds of $x'\hat{\beta}$ could still lie outside the interval. Further, if y is near 0 or 1, less variability would be expected than if y were near 0.50--that is, var $\varepsilon$ should be nonconstant.

The typical transformation used to ensure the (0, 1) interval is the logit transformation,

$$\text{logit }(y) = \ln\left(\frac{y}{1 - y}\right) , \qquad 0 < y < 1 .$$

This transformation is symmetric about the value y = 0.5 and roughly linear in the region $0.2 \leq y \leq 0.8$, which contains most of the IDP responses averaged over individuals. In that region, the logit model will give predicted values and upper and lower confidence bounds similar to those of the usual model, $y = x'\beta + \varepsilon$. The two models will differ when y is near 0 or 1 (say, $y \leq 0.1$ or $y \geq 0.9$).

Thus, the logit model specifies that

$$y^* = \ln\left(\frac{y}{1 - y}\right) = x'\beta + \varepsilon ,$$

where

$$y^* = \ln\left(\frac{y}{1 - y}\right)$$

is the response variable. Once the model is fitted, the predicted value of $y^*$ is

$$\hat{y}^* = x'\hat{\beta}$$

and upper and lower 95 percent confidence bounds are

$$L^*_{95} \cong x'\hat{\beta} - 2\sqrt{h}\,\hat{\sigma} ,$$

$$U^*_{95} \cong x'\hat{\beta} + 2\sqrt{h}\,\hat{\sigma} ,$$

where $h = x'(X'X)^{-1}x$.

Thus, the predicted value $\hat{y}$ for $y$ and upper and lower confidence bounds are

$$\hat{y} = \frac{e^{\hat{y}^*}}{1 + e^{\hat{y}^*}} = \frac{e^{x'\hat{\beta}}}{1 + e^{x'\hat{\beta}}} = \frac{1}{1 + e^{-x'\hat{\beta}}} ,$$

$$L_{95} = \frac{e^{L^*}}{1 + e^{L^*}} = \frac{1}{1 + e^{-(x'\hat{\beta} - 2\sqrt{h}\hat{\sigma})}} ,$$

$$U_{95} = \frac{e^{U^*}}{1 + e^{U^*}} = \frac{1}{1 + e^{-(x'\hat{\beta} + 2\sqrt{h}\hat{\sigma})}} .$$

Hence, $\hat{y}$, $L_{95}$, and $U_{95}$ will always be in the interval (0, 1), as desired.

MULTICOLLINEARITY

Again let the linear model in matrix form be

$$Y = X\beta + \varepsilon ,$$

where X is an $n \times p$ matrix, the *ith* row ($1 \le i \le n$) being the factor variable (vector) for the *ith* case and the *jth* column ($1 \le j \le p$) corresponding to the *jth* explanatory variable. For the IDP, $p \ge 7$, so we allow X to contain quadratic and cross-product terms involving the original six explanatory variables.

Problems involving multicollinearity arise when one or more columns of X are nearly linear combinations of other columns of X. In that case,

$(X'X)^{-1}$ becomes unstable, since X'X has rank p. If one column of X (say, $j_0$) is a perfect linear combination of other columns, then X'X is not invertible--i.e., it is singular. In that case, the effects of the factor variable $x_{j_0}$ on the response cannot be ascertained, since $x_{j_0}$ is a perfect linear combination of several other factor variables.

Multicollinearity of several factor variables has the following effects on the overall regression analysis:

1. Perfect multicollinearity implies that (X'X) is singular; hence, there are no unique unbiased least squares estimates of ß.
2. If there is multicollinearity even though (X'X) is invertible, the individual effects of the separate factor variables on the response variable cannot be reliably ascertained.
3. Estimates of variances of individual regression coefficients will be large, yielding wide confidence intervals.

Consequently, it is important to determine whether a particular regression model is adversely affected by multicollinearity. Many different measures have been proposed. Most, however, have one or more serious drawbacks. For example, examining the correlation matrix of $x_1, \ldots, x_p$ reveals only pairwise collinearity. One of the best procedures is to scale X'X so as to have ones along the diagonal, then compute the ordered eigenvalues $\mu_1 \geq \mu_2 \geq \cdots \geq \mu_p$ for the scaled matrix [Belsley, Kuh, and Welsch, 1980]. The *jth* condition index is

$$k_j = \left(\frac{\mu_1}{\mu_j}\right)^{1/2} .$$

If any $k_j$ exceeds roughly 30, collinearity will be a problem.

For the IDP, the largest condition index was about 12.7, using the six basic symptom variables. Thus, for those six factor variables, collinearity is not a problem.

## CORRELATION AMONG MODEL ERROR TERMS

Until now, we have assumed that the regression model is of the form

$$y_i = x_i'\beta + \varepsilon_i , \qquad 1 \le i \le n ,$$

where cov $(\varepsilon_i, \varepsilon_\ell) = 0$, $i \ne \ell$--i.e., that the model error terms are uncorrelated. For the IDP, however, since each respondent gives an answer to each symptom complex, it is reasonable to assume that each person's set of answers should be correlated--hence, that cov $(\varepsilon_i, \varepsilon_\ell) \ne 0$, for $i \ne \ell$.

It can be shown that, although the least squares estimate of $\hat{\beta}$ is still an unbiased estimate for $\beta$, $\hat{\sigma}^2$ is biased when there is nonzero error covariance. Assume that the model now is

$$\text{var } \varepsilon_i = \sigma^2 , \qquad 1 \le i \le n ,$$

$$\text{cov } (\varepsilon_i, \varepsilon_\ell) = \rho\sigma^2 , \qquad 1 \le i \ne \ell \le n ,$$

where $0 \le \rho \le 1$. This model belongs to a class termed generalized least squares. If $\rho$ is known, estimates for $\beta$ and $\sigma^2$ can be obtained without too much difficulty. When $\rho$ is unknown, maximum likelihood (ML) techniques must be used. Unfortunately, use of ML strongly depends on multivariate joint normality assumptions for large n, which cannot be justified for our data. Therefore, we resort to the alternative of computing the expected bias in $\hat{\sigma}^2$, then using a correction factor (inflation factor) to adjust for the bias.

Since the ordinary least squares (OLS) estimate of $\beta$ is

$$\begin{aligned} \hat{\beta} &= (X'X)^{-1}X'Y \\ &= (X'X)^{-1}X'(X\beta + \varepsilon) \\ &= \beta + (X'X)^{-1}X'\varepsilon , \end{aligned}$$

and since $E\varepsilon \equiv 0$, we see that we get

$$E\hat{\beta} \equiv \beta .$$

Thus, $\hat{\beta}$ is still unbiased. However, as we now show, the estimate $\hat{\sigma}^2$ of $\sigma^2$ is biased downward. We show that in fact

$$E\hat{\sigma}^2 = \sigma^2(1 - \rho) .$$

Recall that

$$\hat{\sigma}^2 = \frac{(Y - X\hat{\beta})'(Y - X\hat{\beta})}{n - p} .$$

Let

$$\begin{aligned} S &= (Y - X\hat{\beta})'(Y - X\hat{\beta}) \\ &= [Y - X \cdot (X'X)^{-1}X'Y]'[Y - X \cdot (X'X)^{-1}X'Y] \\ &= [(I - H)Y]'[(I - H)Y] \\ &= [(I - H)(X\beta + \varepsilon)]'[(I - H)(X\beta + \varepsilon)] \\ &= \varepsilon'(I - H)\varepsilon , \end{aligned}$$

since

$$(I - H)X = 0 \quad \text{and} \quad (I - H)^2 = I - H .$$

Letting $\Sigma = \sigma^2 V = \text{cov } \varepsilon$, and using a theorem from random quadratic forms [Searle, 1971], we obtain

$$\begin{aligned} ES &= \text{tr } [(I - H)\Sigma] \\ &= \sigma^2 \text{ tr } [(I - H)V] , \end{aligned}$$

where tr (•) is the trace of a matrix (i.e., the sum of its diagonal elements), and

$$V = \begin{bmatrix} 1 & \rho & \rho & \cdots & \rho \\ \rho & 1 & \rho & \cdots & \rho \\ \rho & \rho & 1 & \cdots & \rho \\ \vdots & \vdots & \vdots & \cdots & \vdots \\ \rho & \rho & \rho & \cdots & 1 \end{bmatrix} .$$

If $\rho = 0$, then $V = I$ (the identity matrix) and

$$ES = \sigma^2 \operatorname{tr} (I - H)$$

$$= \sigma^2 (n - p) ,$$

since

$$\operatorname{tr} I = n \quad \text{and} \quad \operatorname{tr} H = p \quad (H \text{ has rank } p) ,$$

implying that $\hat{\sigma}^2$ is unbiased. But if $\rho \neq 0$, write

$$V = I + \rho L ,$$

where

$$I = \begin{bmatrix} 1 & 0 & 0 & \cdots & 0 \\ 0 & 1 & 0 & \cdots & 0 \\ \vdots & \vdots & \vdots & & \vdots \\ 0 & 0 & 0 & \cdots & 1 \end{bmatrix}$$

and

$$L = \begin{bmatrix} 0 & 1 & 1 & \cdots & 1 \\ 1 & 0 & 1 & \cdots & 1 \\ \vdots & \vdots & \vdots & & \vdots \\ 1 & 1 & 1 & \cdots & 0 \end{bmatrix} .$$

Thus,

$$
\begin{aligned}
ES &= \sigma^2 \operatorname{tr} [(I - H)(I + \rho L)] \\
&= \sigma^2 \{\operatorname{tr} (I - H) + \rho \operatorname{tr} [(I - H)L]\} \\
&= \sigma^2 [n - p - \rho \operatorname{tr} (HL)] ,
\end{aligned}
$$

since

$$\operatorname{tr} (I - H) = p \quad \text{and} \quad \operatorname{tr} L = 0 .$$

However,

$$H = (h_{ij}) ,$$

so

$$
HL = \begin{bmatrix}
\sum_{j=2}^{n} h_{1j} & \cdots & \cdots & \cdots \\
\cdots & \sum_{j \neq 2}^{n} h_{2j} & \cdots & \cdots \\
\cdots & \cdots & \sum_{j \neq 3}^{n} h_{3j} & \cdots \\
 & & & \ddots \\
\cdots & \cdots & \cdots & \sum_{j \neq n}^{n} h_{nj}
\end{bmatrix} .
$$

Therefore,

$$\operatorname{tr} (HL) = \sum_{i=1}^{n} \sum_{j \neq i}^{n} h_{ij} .$$

Since

$$\sum_{i=1}^{n} e_i = 0 ,$$

then

$$0 = \operatorname{var}\left(\sum_{i=1}^{n} e_i\right)$$

$$= \sum_{i=1}^{n} \operatorname{var} e_i + \sum_{i\neq j}^{n} \operatorname{cov}(e_i, e_j)$$

$$= \sigma^2 \sum_{i=1}^{n} (1 - h_{ii}) + \sigma^2 \sum_{i\neq j}^{n} (-h_{ij})$$

or

$$\sum_{i\neq j}^{n} h_{ij} = \sum_{i=1}^{n} (1 - h_{ii}) = n - p .$$

Thus,

$$\operatorname{tr}(HL) = n - p .$$

Hence,

$$ES = \sigma^2[n - p - \rho(n - p)]$$

$$= \sigma^2(n - p)(1 - \rho)$$

or

$$E\hat{\sigma}^2 = \sigma^2(1 - \rho) .$$

Thus, if $\hat{\sigma}^2$ is an estimate of $\sigma^2$ based on ordinary least squares and $\hat{\rho}$ is a reasonable estimate for $\rho$, then an inflation-factor-adjusted estimate for $\sigma^2$ is

$$\tilde{\sigma}^2 = \frac{1}{1 - \hat{\rho}} \hat{\sigma}^2$$

or

$$\tilde{\sigma} = \frac{\hat{\sigma}}{(1 - \hat{\rho})^{1/2}} .$$

Using a package from STATLIB, an estimate for $\rho$ between 0.2 and 0.4 was obtained. Thus, the inflation (correction) factor $(1 - \hat{\rho})^{-1/2}$ varies from 1.12 to 1.30--i.e., $\hat{\sigma}$ is too low by about 10 to 30 percent.

TRANSFORMING FACTOR VARIABLES

As indicated above (p. 12), it is useful to plot the residuals (either ordinary or studentized) against each factor variable $x_j$. A uniform horizontal band in the individual plots indicates a satisfactory model. If, however, a residual plot against $x_j$ displays some sort of curvature, a transformation of $x_j$ is in order.

Further, for data like those of the IDP, it is important to determine the effect, if any, of combinations of variables as opposed to individuals. That is, cross-product effects between explanatory (factor) variables may have a greater influence on the response variable than does the appearance of either variable alone.

Thus, in addition to using the standard six variables $x_1, \ldots, x_6$ (corresponding to upper GI, etc.), we tried to incorporate quadratic terms $x_1^2, \ldots, x_6^2$ and cross-product terms $x_\ell x_j$, $1 \le \ell \ne j \le 6$. Unfortunately, because there were only 30 combinations of the six symptom

complexes in the data, with little variation in the last three of the six factor variables, the analysis was beset with extreme problems caused by both multicollinearity and high-leverage cases.

Many of the quadratic and cross-product terms were found to be either exactly collinear with linear combinations of the original six variables, or so close to perfectly collinear that only one symptom complex combination of the 30 prevented exact collinearity. That is, if the one combination were removed from the data, perfect collinearity would result. Consequently, the one combination would be classed as both a high-leverage and extremely influential data point. Cook's distances of greater than 15 were observed, whereas a value of one normally causes concern. Consequently, we decided that introducing higher-order terms in the model would be fruitless, since the factor variables were so sparse in range variability. Thus, only the original six factor variables were retained.

## Appendix G

## PERFORMANCE PREDICTIONS FOR CREWMEMBER TASKS

This appendix gives performance data for the separate crewmember tasks. Regression parameters are also listed for fitting the performance prediction (logit) model to the task data.

Figures G.1 through G.12 are plots of crewmember separate task and position performance shown for comparison. Performance values for crewmember position, determined from the separate tasks as given in Sec. 3, lie along the straight line plotted against performance degradation (1 - P). The tick marks along the top of the abscissa correspond to symptom complexes ordered as given in Tables 12 through 27 in Sec. 3. The performance plots and regression parameters are given for crewmembers who have two or more tasks; the artillery chief of section, tank driver and TOW driver are not included, since they perform a single task.

Tables G.1 through G.4 list the regression relationship parameters for fitting the task data. Like the performance prediction relationships for the crewmembers given in Sec. 3, task performance predictions are given by

$$\hat{P}_{k,j} = \frac{1}{\left[1 + \exp\left(-\underset{\sim}{x}_k'\hat{\beta}_j\right)\right]},$$

where $\underset{\sim}{x}_k' = (1, x_{k1}, x_{k2}, \ldots, x_{k6})$ is a vector of integers $(1 \le x_{k\ell} \le 5)$, denoting symptom severity level for the $kth$ symptom complex and the $\ell th$ symptom category, and $\hat{\beta}_j$ are the beta parameters given in Tables G.1 through G.4, for a particular task j.

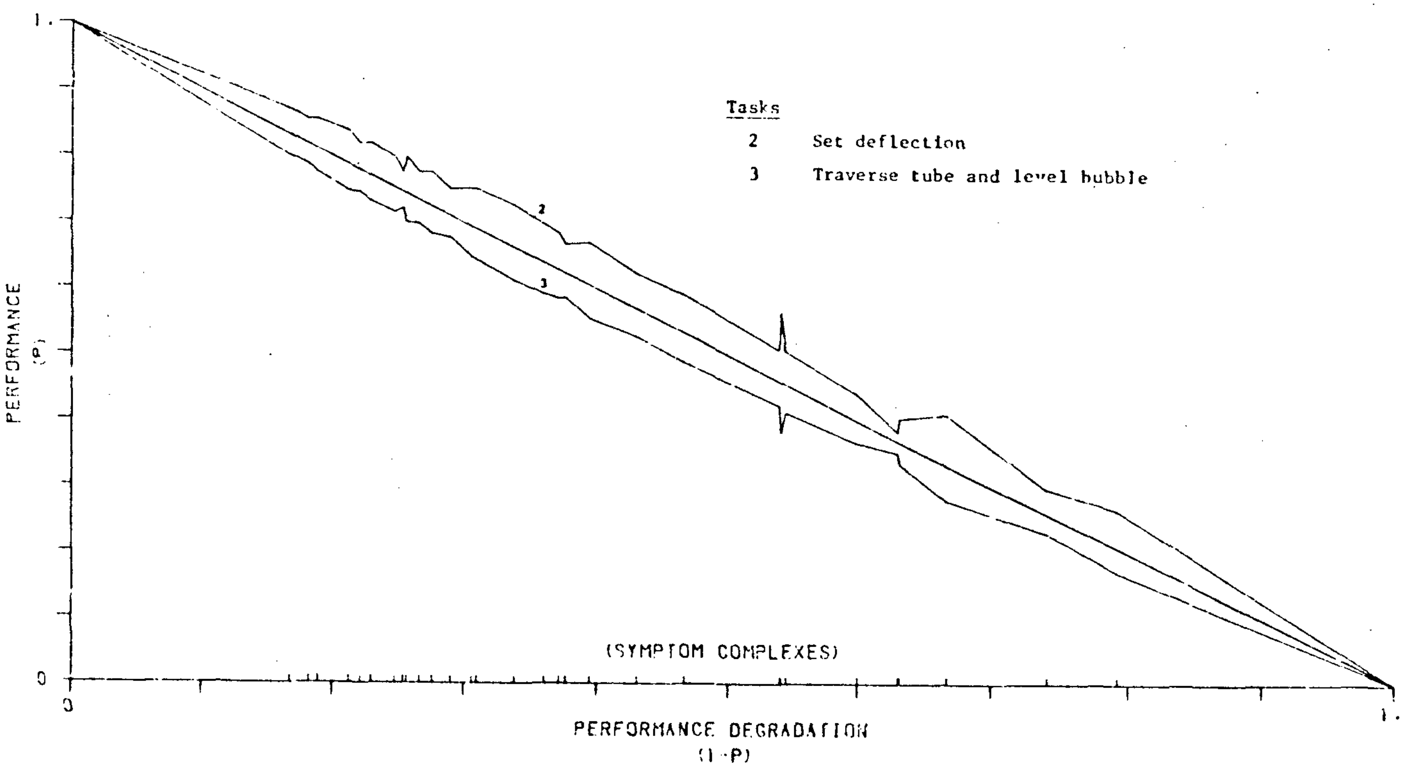


Figure G.1. Task/position performance: gun crew, gunner.

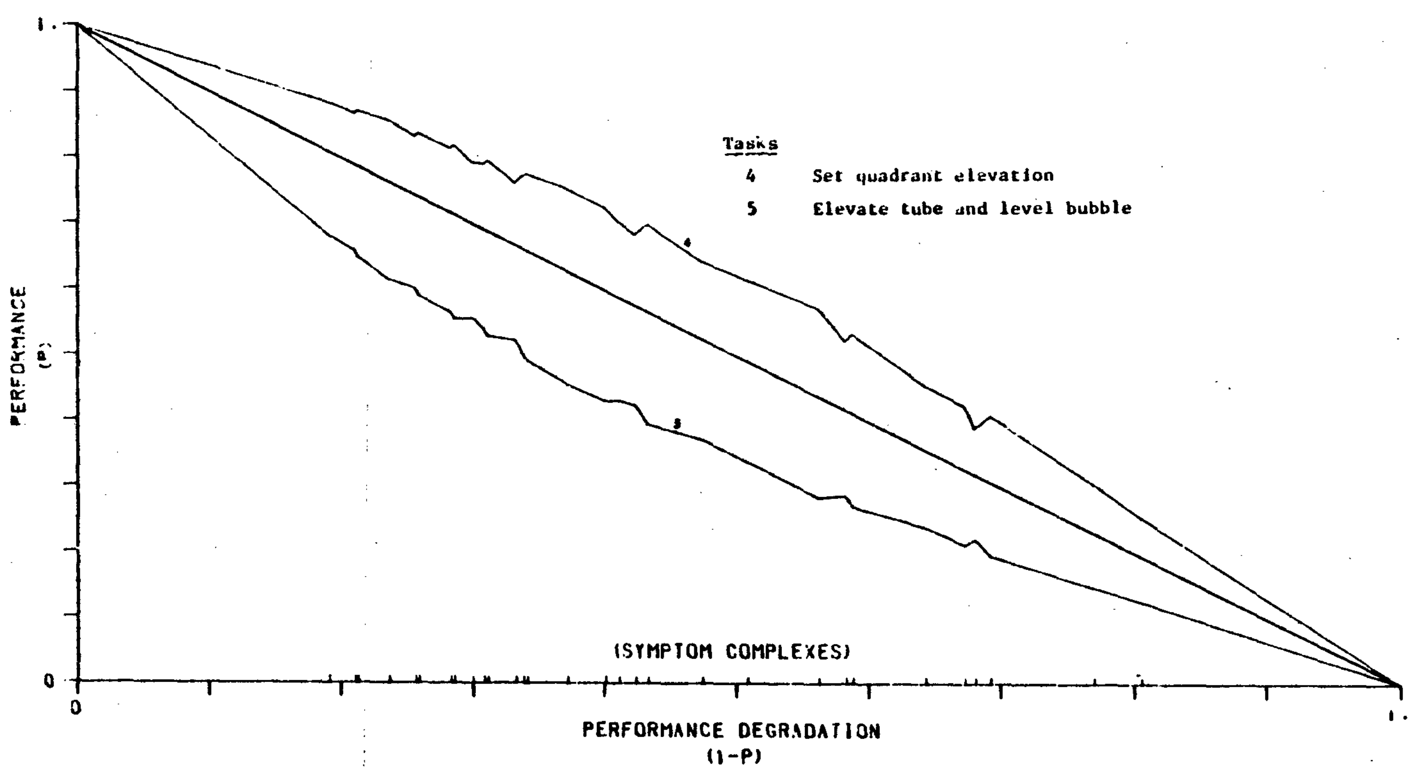


Figure G.2. Task/position performance: gun crew, assistant gunner.

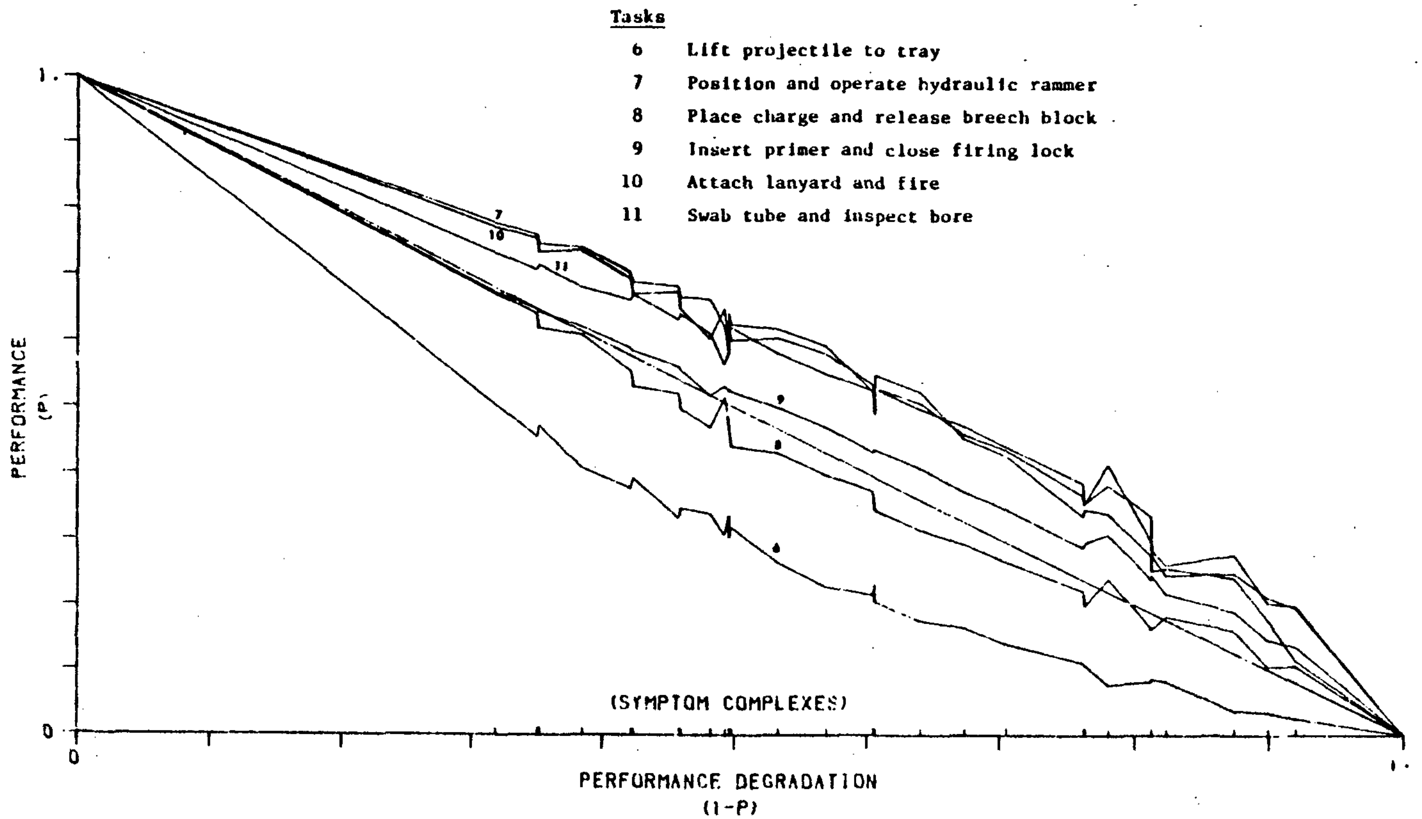


Figure G.3. Task/position performance: gun crew, loader.

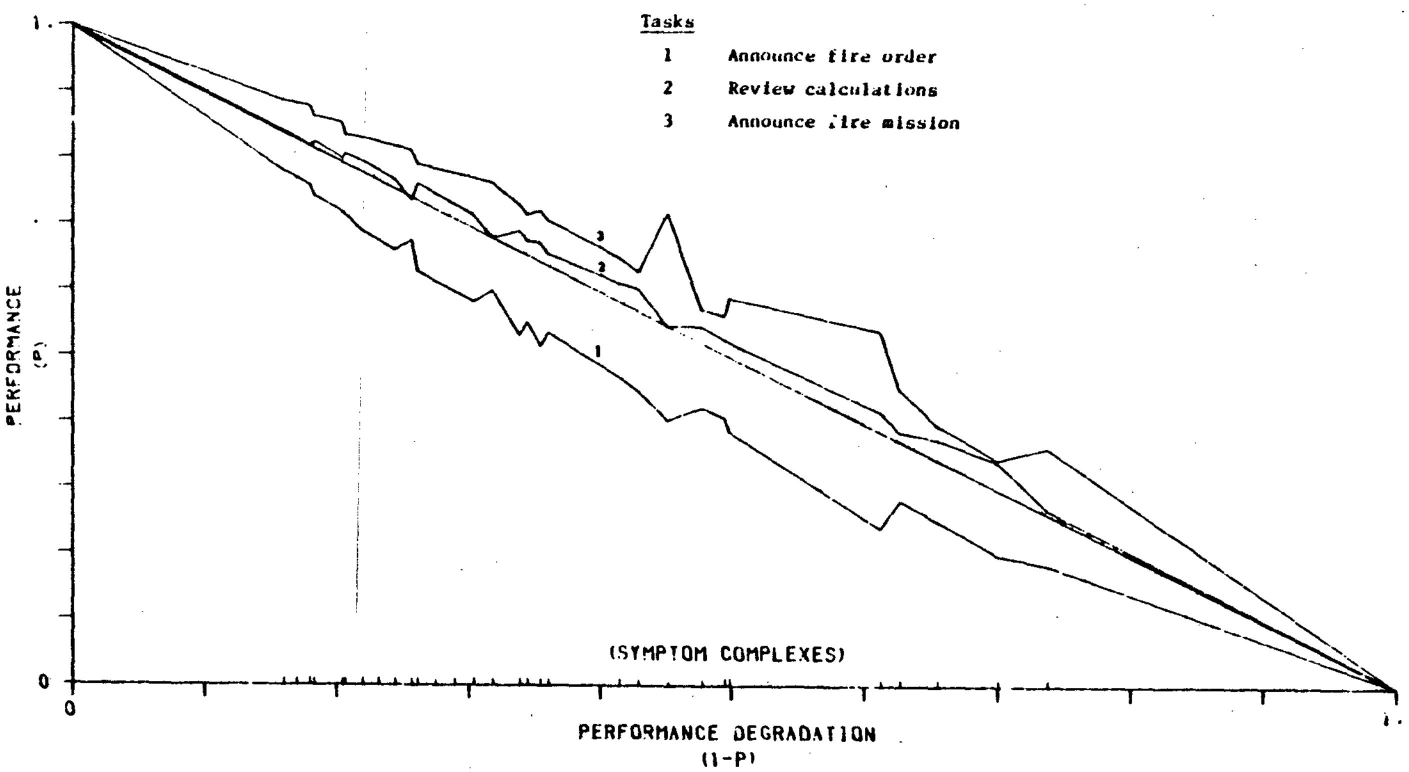


Figure G.4. Task/position performance: FDC crew, fire direction officer.

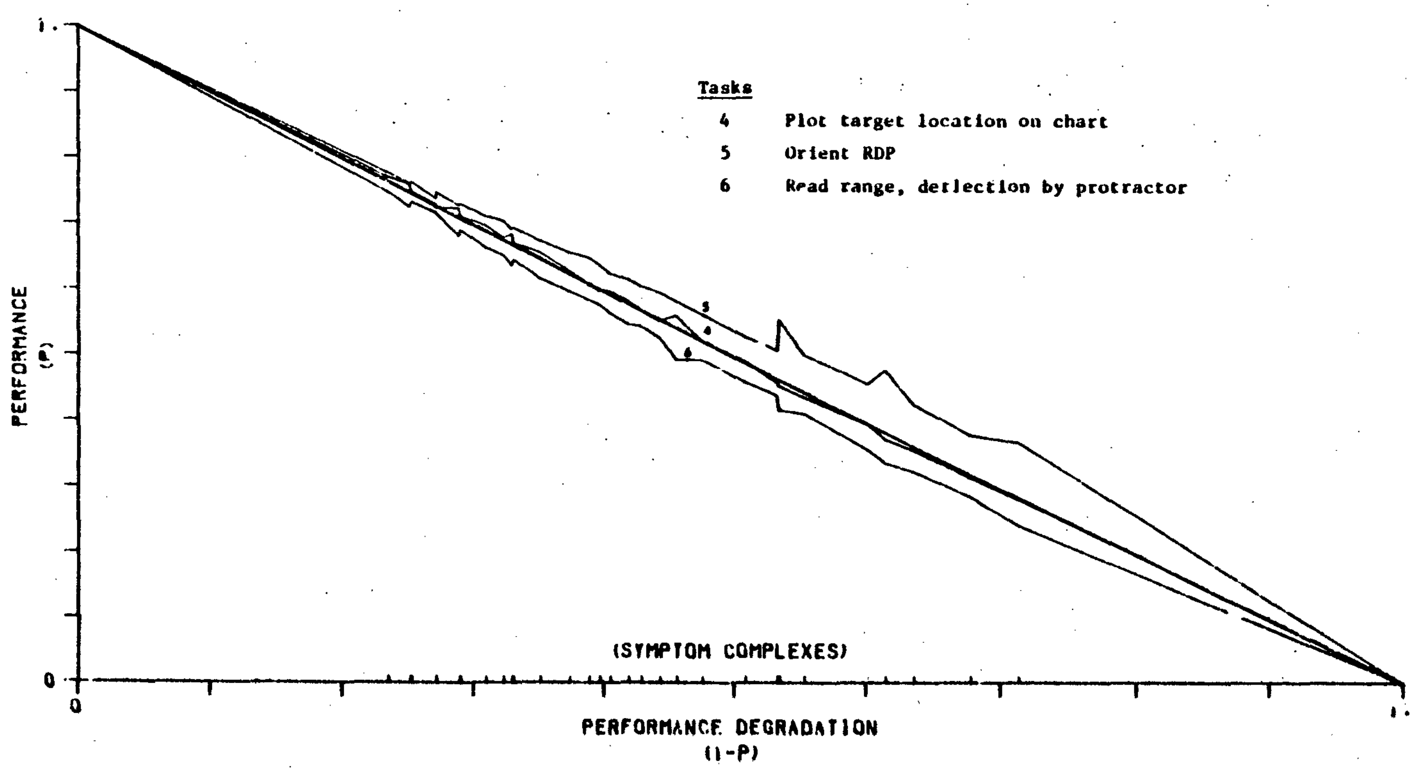


Figure G.5. Task/position performance: FDC crew, horizontal control operator.

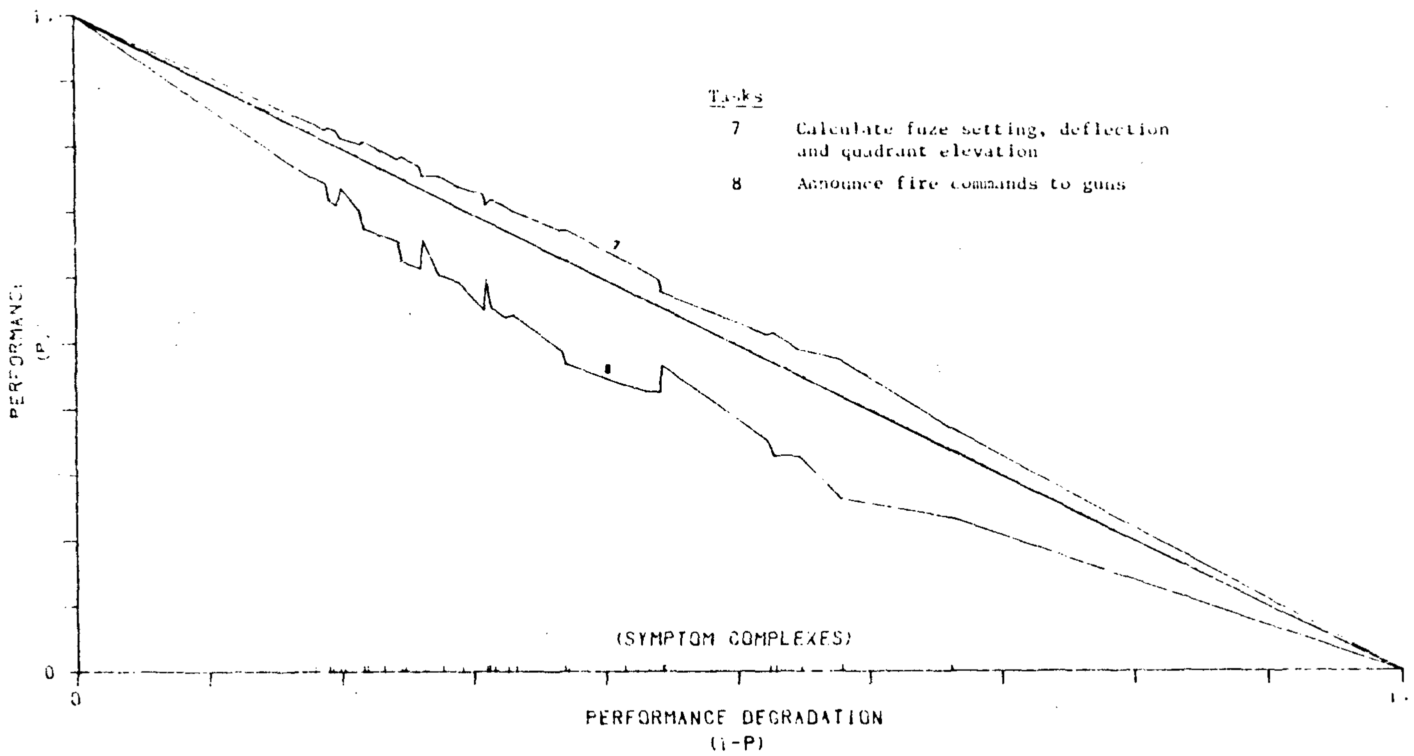


Figure G.6. Task/position performance: FDC crew, computer.

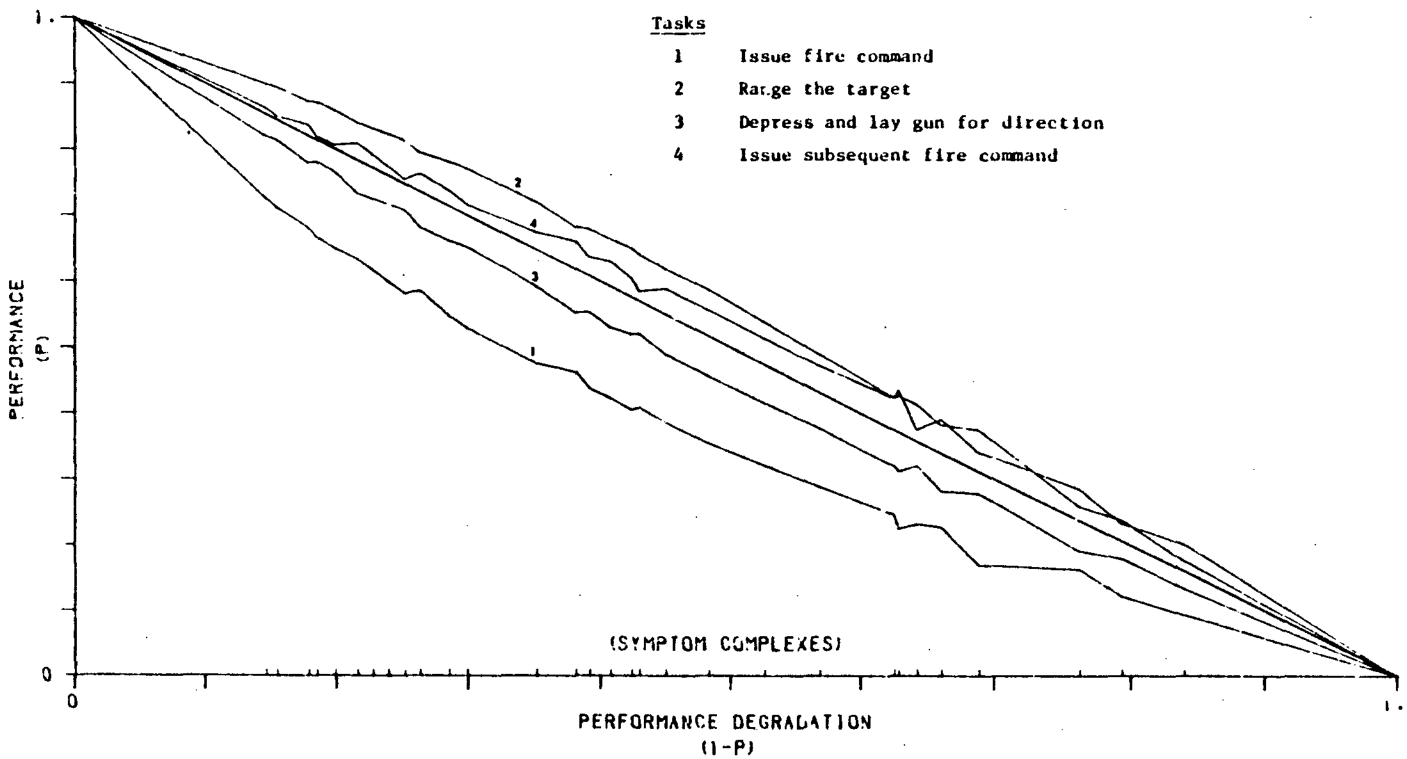


Figure G.7. Task/position performance: tank crew, tank commander.

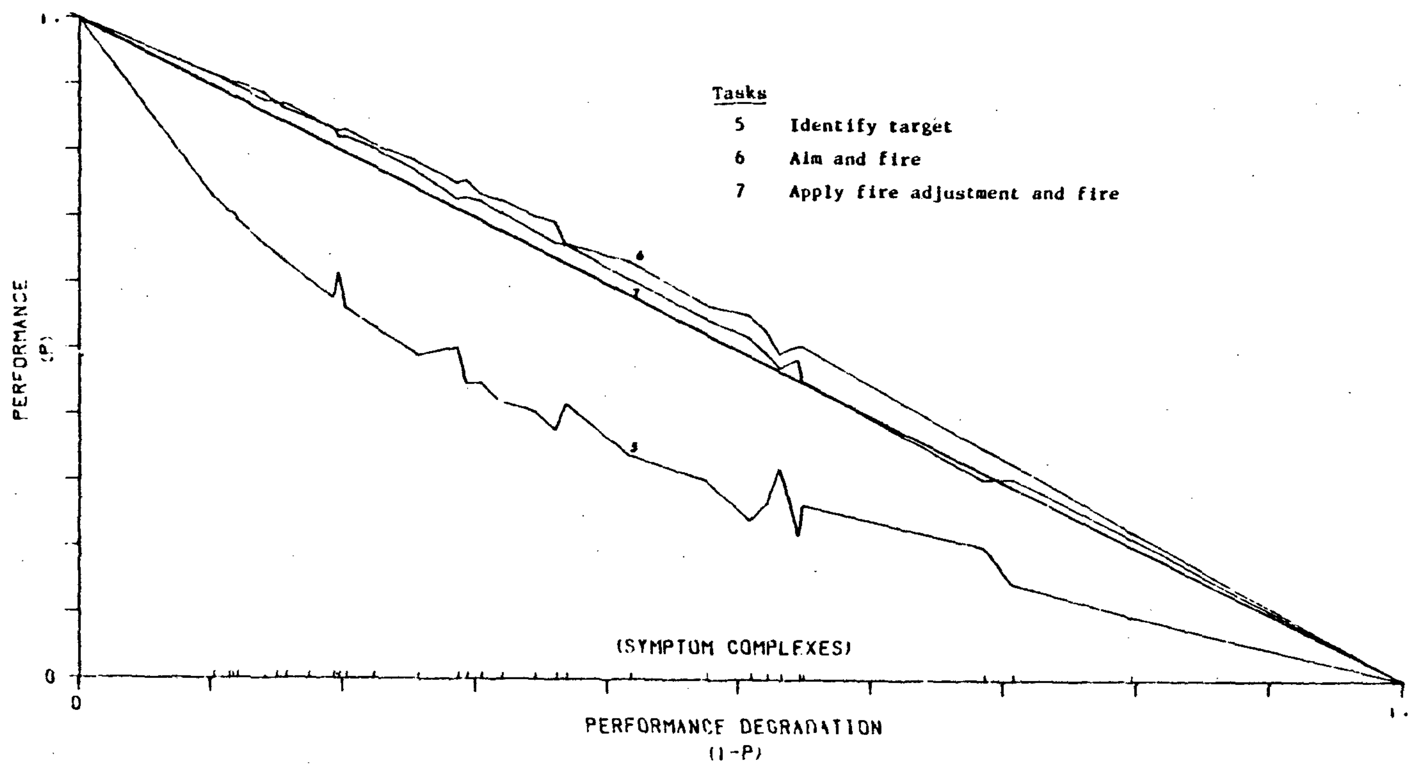


Figure G.8. Task/position performance: tank crew, gunner.

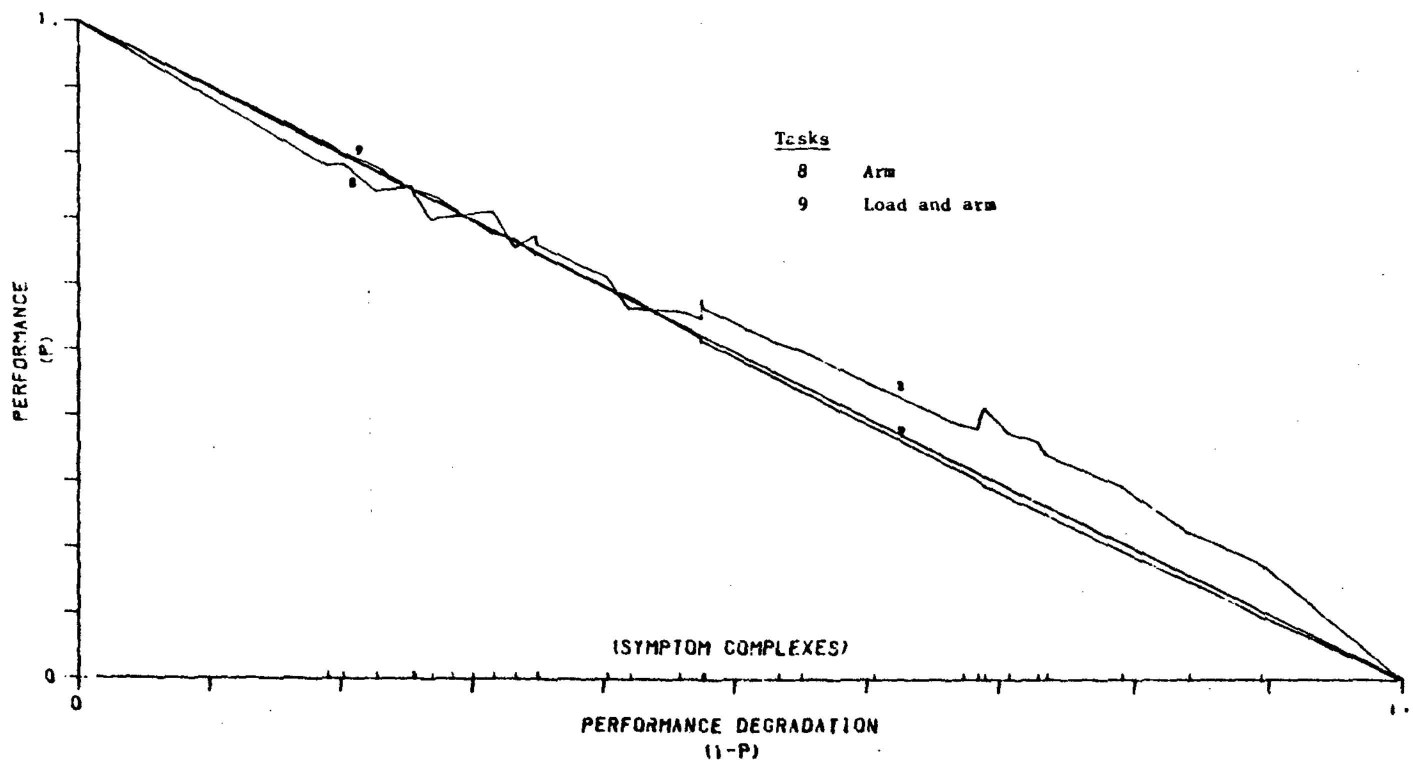


Figure G.9. Task/position performance: tank crew, loader.

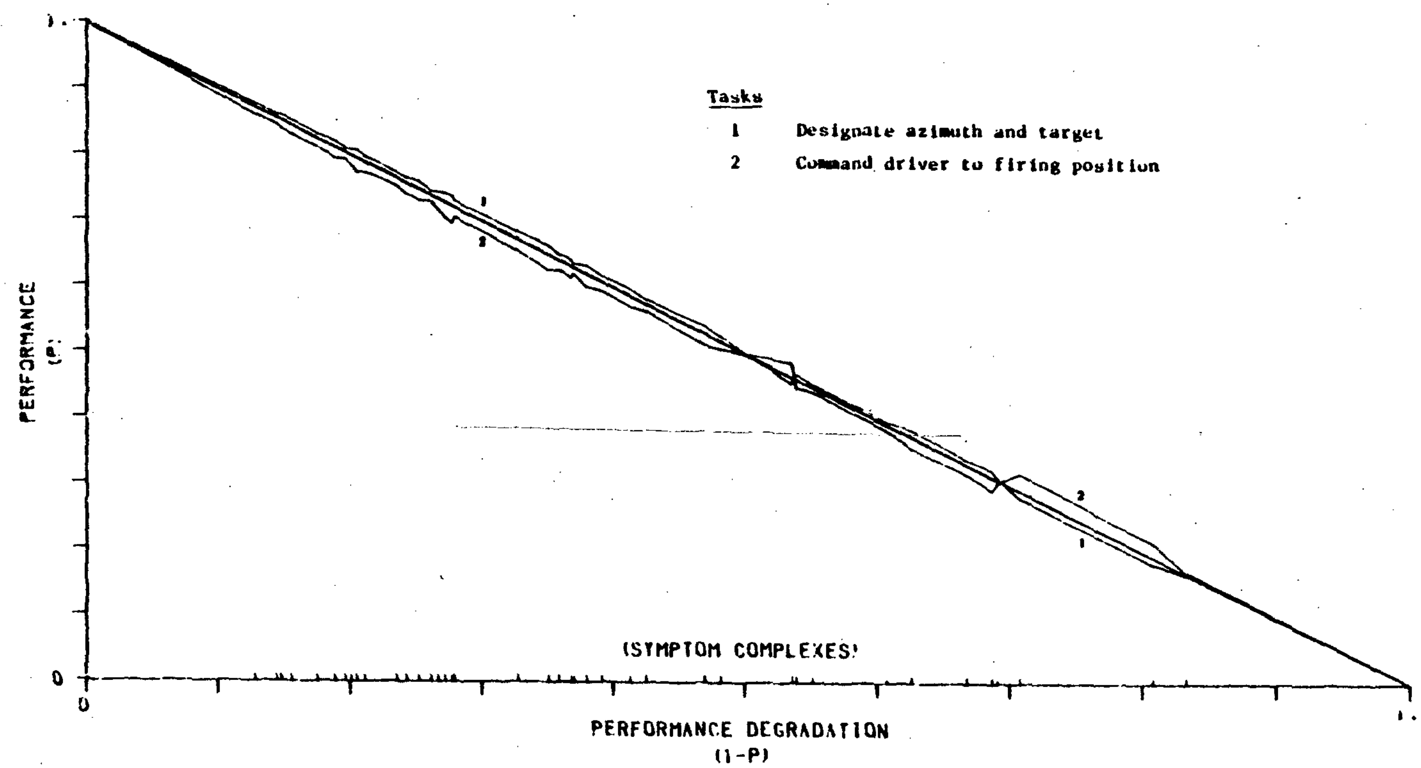


Figure G.10. Task/position performance: TOW crew, squad leader.

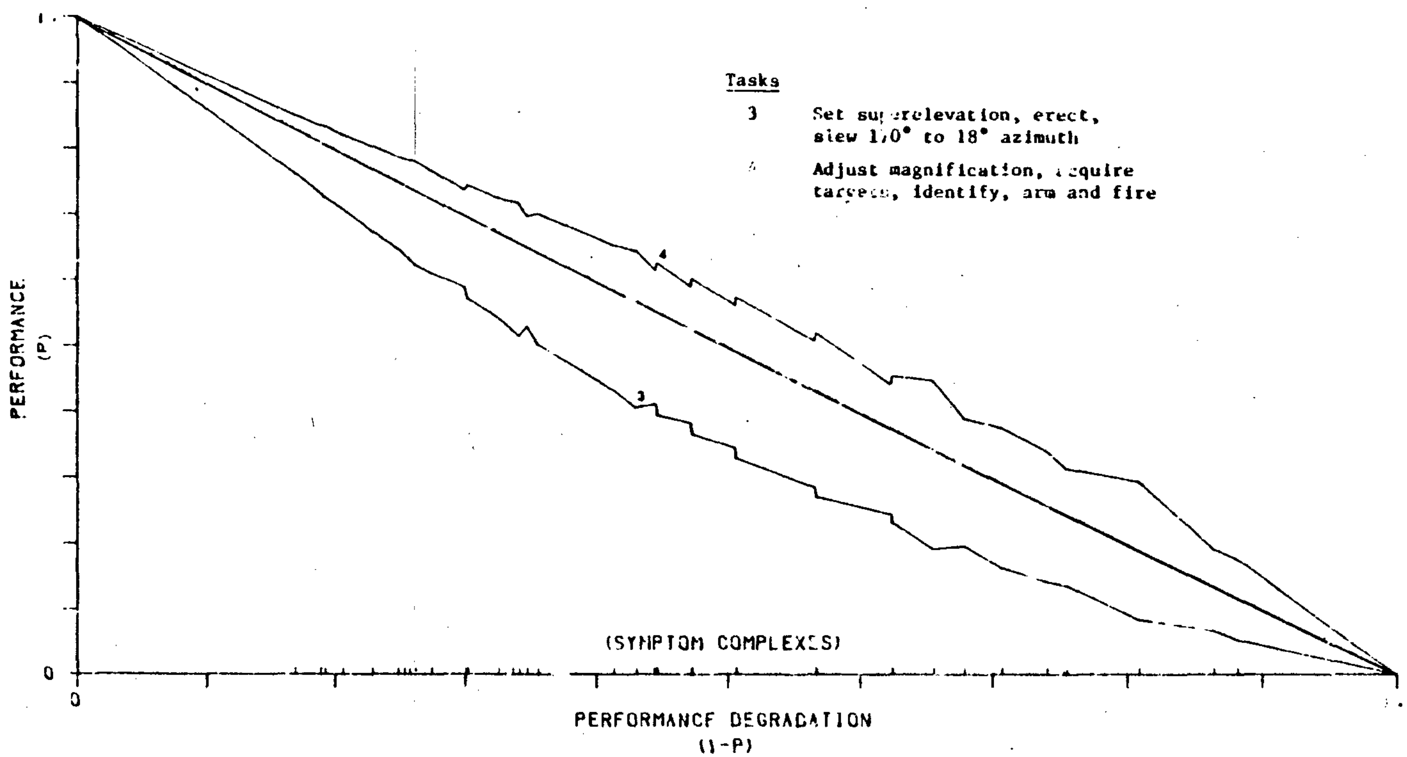


Figure G.11. Task/position performance: TOW crew, gunner.

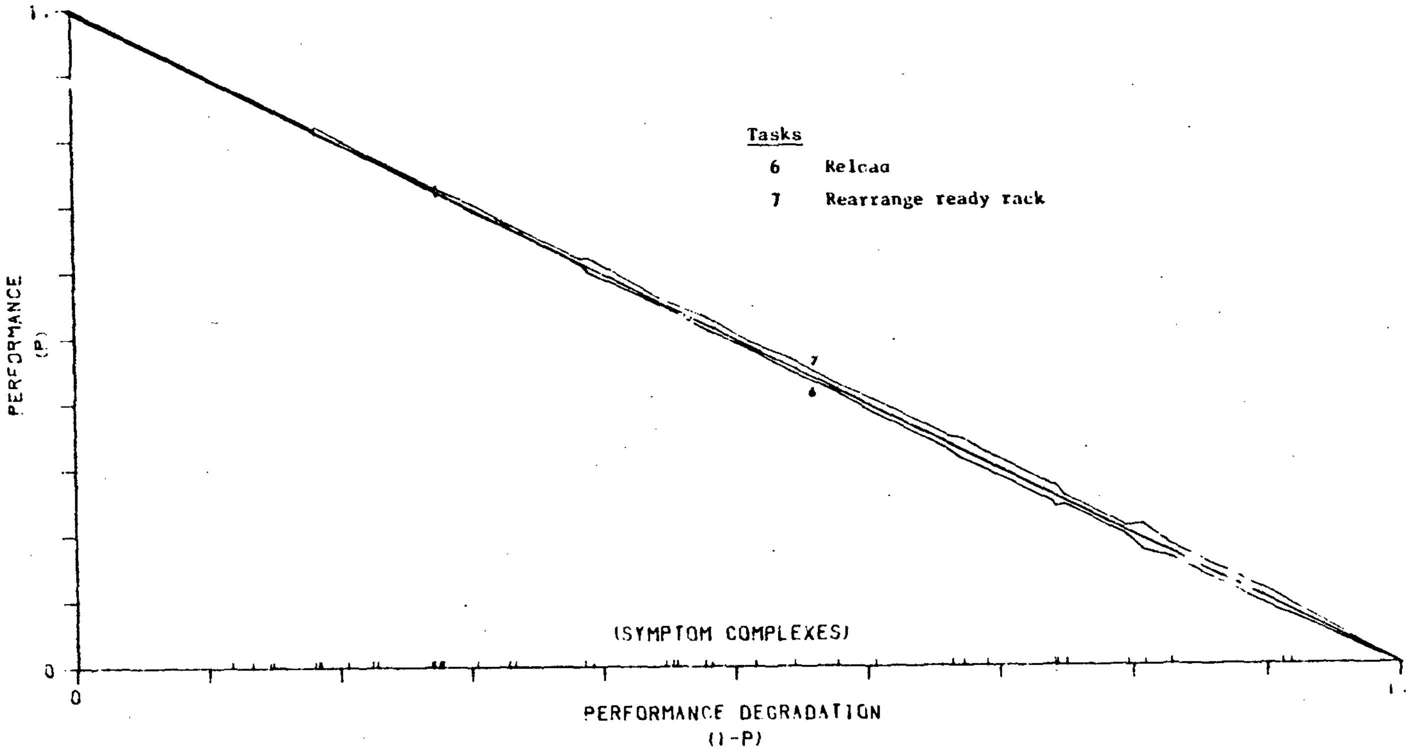

Figure G.12. Task/position performance: TOW crew, loader.

Table G.1. Regression results, gun crew.[a]

**TASK NUMBER 2**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.689165 | 0.278924 | 13.226 |
| UPPER GASTRO | -0.133953 | 0.053964 | -2.482 |
| LOWER GASTRO | -0.412253 | 0.136164 | -3.028 |
| FATIGUE/WEAK | -0.269009 | 0.067568 | -3.981 |
| HYPOTENSION | -0.088056 | 0.140524 | -0.627 |
| INFECT/BLEED | -0.267431 | 0.171796 | -1.557 |
| FLUID LOSS | -0.470530 | 0.100484 | -4.683 |

R SQUARED = 0.8629
RMS ERROR = 0.367710
DGF = 23

**TASK NUMBER 3**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.040915 | 0.209406 | 14.522 |
| UPPER GASTRO | -0.154725 | 0.040514 | -3.819 |
| LOWER GASTRO | -0.335025 | 0.102228 | -3.277 |
| FATIGUE/WEAK | -0.235993 | 0.050728 | -4.652 |
| HYPOTENSION | -0.228813 | 0.105501 | -2.169 |
| INFECT/BLEED | -0.121214 | 0.128979 | -0.940 |
| FLUID LOSS | -0.419712 | 0.075440 | -5.564 |

R SQUARED = 0.9123
RMS ERROR = 0.276066
DGF = 23

**TASK NUMBER 4**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.871579 | 0.281584 | 13.749 |
| UPPER GASTRO | -0.120934 | 0.054478 | -2.220 |
| LOWER GASTRO | -0.437978 | 0.137462 | -3.186 |
| FATIGUE/WEAK | -0.272550 | 0.068212 | -3.996 |
| HYPOTENSION | -0.140113 | 0.141864 | -0.988 |
| INFECT/BLEED | -0.258543 | 0.173435 | -1.491 |
| FLUID LOSS | -0.497201 | 0.101442 | -4.901 |

R SQUARED = 0.8703
RMS ERROR = 0.371217
DGF = 23

**TASK NUMBER 5**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.317021 | 0.173881 | 13.325 |
| UPPER GASTRO | -0.146709 | 0.033641 | -4.361 |
| LOWER GASTRO | -0.319346 | 0.084884 | -3.762 |
| FATIGUE/WEAK | -0.248783 | 0.042121 | -5.906 |
| HYPOTENSION | -0.124967 | 0.087602 | -1.427 |
| INFECT/BLEED | -0.183087 | 0.107097 | -1.710 |
| FLUID LOSS | -0.389378 | 0.062641 | -6.216 |

R SQUARED = 0.9305
RMS ERROR = 0.229230
DGF = 23

**TASK NUMBER 6**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 1.982098 | 0.229575 | 8.634 |
| UPPER GASTRO | -0.195948 | 0.044416 | -4.412 |
| LOWER GASTRO | -0.244156 | 0.112073 | -2.179 |
| FATIGUE/WEAK | -0.325548 | 0.055613 | -5.854 |
| HYPOTENSION | -0.304213 | 0.115662 | -2.630 |
| INFECT/BLEED | -0.233430 | 0.141401 | -1.651 |
| FLUID LOSS | -0.463313 | 0.082706 | -5.602 |

R SQUARED = 0.9324
RMS ERROR = 0.302653
DGF = 23

**TASK NUMBER 7**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.060085 | 0.187107 | 16.355 |
| UPPER GASTRO | -0.104743 | 0.036260 | -2.893 |
| LOWER GASTRO | -0.448053 | 0.091342 | -4.905 |
| FATIGUE/WEAK | -0.285835 | 0.045326 | -6.306 |
| HYPOTENSION | -0.238311 | 0.094267 | -2.528 |
| INFECT/BLEED | -0.119442 | 0.115245 | -1.036 |
| FLUID LOSS | -0.493279 | 0.067407 | -7.318 |

R SQUARED = 0.9405
RMS ERROR = 0.246669
DGF = 23

Table G.1. Regression results, gun crew (Concluded).

| | TASK NUMBER 8 | | | TASK NUMBER 9 | | |
|---|---|---|---|---|---|---|
| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T | BETA PARAMETER | STANDARD ERROR | STUDENT T |
| INTERCEPT | 2.226995 | 0.170504 | 13.061 | 2.217452 | 0.195405 | 11.348 |
| UPPER GASTRO | -0.135262 | 0.032988 | -4.100 | -0.116195 | 0.037805 | -3.074 |
| LOWER GASTRO | -0.248694 | 0.083236 | -2.988 | -0.251282 | 0.095392 | -2.634 |
| FATIGUE/WEAK | -0.363318 | 0.041303 | -8.796 | -0.250744 | 0.047336 | -5.297 |
| HYPOTENSION | -0.004918 | 0.085901 | -0.057 | -0.094368 | 0.098446 | -0.959 |
| INFECT/BLEED | -0.247384 | 0.105017 | -2.356 | -0.273690 | 0.120354 | -2.274 |
| FLUID LOSS | -0.374360 | 0.061425 | -6.095 | -0.384500 | 0.070395 | -5.462 |
| | R SQUARED = 0.9430 | | | R SQUARED = 0.9079 | | |
| | RMS ERROR = 0.224778 | | | RMS ERROR = 0.257605 | | |
| | DGF = 23 | | | DGF = 23 | | |

| | TASK NUMBER 10 | | | TASK NUMBER 11 | | |
|---|---|---|---|---|---|---|
| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T | BETA PARAMETER | STANDARD ERROR | STUDENT T |
| INTERCEPT | 2.753800 | 0.235600 | 11.688 | 2.584123 | 0.166072 | 15.560 |
| UPPER GASTRO | -0.096342 | 0.045562 | -2.114 | -0.126504 | 0.032130 | -3.937 |
| LOWER GASTRO | -0.323004 | 0.115014 | -2.808 | -0.369957 | 0.081072 | -4.563 |
| FATIGUE/WEAK | -0.304344 | 0.057073 | -5.333 | -0.215333 | 0.040230 | -5.353 |
| HYPOTENSION | -0.034336 | 0.118697 | -0.289 | -0.126132 | 0.083668 | -1.508 |
| INFECT/BLEED | -0.290475 | 0.145112 | -2.002 | -0.250991 | 0.102287 | -2.454 |
| FLUID LOSS | -0.381880 | 0.084876 | -4.499 | -0.354653 | 0.059828 | -5.928 |
| | R SQUARED = 0.8822 | | | R SQUARED = 0.9287 | | |
| | RMS ERROR = 0.310595 | | | RMS ERROR = 0.218935 | | |
| | DGF = 23 | | | DGF = 23 | | |

[a] Task number 1 regression parameters are those given for the chief of section in Sec. 3.

Table G.2. Regression results, FDC crew.

TASK NUMBER 1

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.068488 | 0.359570 | 8.534 |
| UPPER GASTRO | -0.269195 | 0.069566 | -3.870 |
| LOWER GASTRO | -0.468424 | 0.175533 | -2.669 |
| FATIGUE/WEAK | -0.063502 | 0.087104 | -0.729 |
| HYPOTENSION | -0.195820 | 0.181154 | -1.081 |
| INFECT/BLEED | -0.283058 | 0.221468 | -1.278 |
| FLUID LOSS | -0.457986 | 0.129537 | -3.536 |

R SQUARED = 0.7774
RMS ERROR = 0.478027
DGF = 23

TASK NUMBER 2

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.407176 | 0.335379 | 10.159 |
| UPPER GASTRO | -0.194729 | 0.064886 | -3.001 |
| LOWER GASTRO | -0.550326 | 0.163724 | -3.361 |
| FATIGUE/WEAK | -0.082766 | 0.081243 | -1.019 |
| HYPOTENSION | -0.225097 | 0.168966 | -1.332 |
| INFECT/BLEED | -0.148599 | 0.206568 | -0.719 |
| FLUID LOSS | -0.461945 | 0.120822 | -3.823 |

R SQUARED = 0.7778
RMS ERROR = 0.442136
DGF = 23

TASK NUMBER 3

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.918948 | 0.400721 | 9.780 |
| UPPER GASTRO | -0.256229 | 0.077528 | -3.305 |
| LOWER GASTRO | -0.552430 | 0.195622 | -2.824 |
| FATIGUE/WEAK | -0.041489 | 0.097072 | -0.427 |
| HYPOTENSION | 0.013608 | 0.201887 | 0.067 |
| INFECT/BLEED | -0.396276 | 0.246814 | -1.606 |
| FLUID LOSS | -0.587077 | 0.144362 | -4.067 |

R SQUARED = 0.7303
RMS ERROR = 0.528278
DGF = 23

TASK NUMBER 4

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.537191 | 0.173542 | 14.620 |
| UPPER GASTRO | -0.188812 | 0.033575 | -5.623 |
| LOWER GASTRO | -0.338537 | 0.084719 | -3.996 |
| FATIGUE/WEAK | -0.124433 | 0.042040 | -2.960 |
| HYPOTENSION | -0.135473 | 0.087432 | -1.549 |
| INFECT/BLEED | -0.099580 | 0.106869 | -0.932 |
| FLUID LOSS | -0.312262 | 0.062520 | -4.995 |

R SQUARED = 0.8976
RMS ERROR = 0.228784
DGF = 23

TASK NUMBER 5

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.378963 | 0.182964 | 13.002 |
| UPPER GASTRO | -0.175230 | 0.035398 | -4.950 |
| LOWER GASTRO | -0.301139 | 0.089319 | -3.371 |
| FATIGUE/WEAK | -0.081759 | 0.044322 | -1.845 |
| HYPOTENSION | -0.043004 | 0.092179 | -0.467 |
| INFECT/BLEED | -0.131882 | 0.112692 | -1.170 |
| FLUID LOSS | -0.311628 | 0.065914 | -4.728 |

R SQUARED = 0.8476
RMS ERROR = 0.241205
DGF = 23

TASK NUMBER 6

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.439342 | 0.262973 | 9.276 |
| UPPER GASTRO | -0.204814 | 0.050878 | -4.026 |
| LOWER GASTRO | -0.380811 | 0.128377 | -2.966 |
| FATIGUE/WEAK | -0.082486 | 0.063704 | -1.295 |
| HYPOTENSION | -0.179482 | 0.132488 | -1.355 |
| INFECT/BLEED | -0.081187 | 0.161971 | -0.501 |
| FLUID LOSS | -0.337566 | 0.094737 | -3.563 |

R SQUARED = 0.7986
RMS ERROR = 0.346681
DGF = 23

Table G.2. Regression results, FLC crew (Concluded).

| | TASK NUMBER 7 | | | TASK NUMBER 8 | | |
|---|---|---|---|---|---|---|
| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T | BETA PARAMETER | STANDARD ERROR | STUDENT T |
| INTERCEPT | 2.952502 | 0.184171 | 16.031 | 2.558462 | 0.223189 | 11.463 |
| UPPER GASTRO | -0.142595 | 0.035632 | -4.002 | -0.217167 | 0.043181 | -5.029 |
| LOWER GASTRO | -0.426095 | 0.089908 | -4.739 | -0.416009 | 0.108955 | -3.818 |
| FATIGUE/WEAK | -0.083908 | 0.044614 | -1.881 | -0.044161 | 0.054066 | -0.817 |
| HYPOTENSION | -0.248592 | 0.092787 | -2.679 | -0.124583 | 0.112444 | -1.108 |
| INFECT/BLEED | -0.007846 | 0.113436 | -0.069 | -0.175913 | 0.137467 | -1.280 |
| FLUID LOSS | -0.326918 | 0.066349 | -4.927 | -0.421898 | 0.080405 | -5.247 |

Task 7: R SQUARED = 0.8776; RMS ERROR = 0.242796; DGF = 23

Task 8: R SQUARED = 0.8543; RMS ERROR = 0.294233; DGF = 23

Table G.3. Regression results, tank crew.[a]

**TASK NUMBER 1**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.824024 | 0.271434 | 10.404 |
| UPPER GASTRO | -0.286400 | 0.052515 | -5.454 |
| LOWER GASTRO | -0.412689 | 0.132507 | -3.114 |
| FATIGUE/WEAK | -0.213909 | 0.065753 | -3.253 |
| HYPOTENSION | -0.214144 | 0.136751 | -1.566 |
| INFECT/BLEED | -0.068180 | 0.167183 | -0.408 |
| FLUID LOSS | -0.439119 | 0.097785 | -4.491 |

R SQUARED = 0.8871
RMS ERROR = 0.357836
DGF = 23

**TASK NUMBER 2**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 4.352746 | 0.313823 | 13.870 |
| UPPER GASTRO | -0.327168 | 0.060716 | -5.389 |
| LOWER GASTRO | -0.571208 | 0.153201 | -3.728 |
| FATIGUE/WEAK | -0.265402 | 0.076022 | -3.491 |
| HYPOTENSION | -0.192390 | 0.158106 | -1.217 |
| INFECT/BLEED | -0.012041 | 0.193291 | -0.062 |
| FLUID LOSS | -0.525015 | 0.113056 | -4.644 |

R SQUARED = 0.8879
RMS ERROR = 0.413718
DGF = 23

**TASK NUMBER 3**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.461919 | 0.231725 | 14.940 |
| UPPER GASTRO | -0.297045 | 0.044832 | -6.626 |
| LOWER GASTRO | -0.504297 | 0.113122 | -4.458 |
| FATIGUE/WEAK | -0.255146 | 0.056134 | -4.545 |
| HYPOTENSION | -0.179685 | 0.116745 | -1.539 |
| INFECT/BLEED | 0.009123 | 0.142725 | 0.064 |
| FLUID LOSS | -0.458394 | 0.083480 | -5.491 |

R SQUARED = 0.9233
RMS ERROR = 0.305487
DGF = 23

**TASK NUMBER 4**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.762089 | 0.237709 | 15.826 |
| UPPER GASTRO | -0.305305 | 0.045990 | -6.639 |
| LOWER GASTRO | -0.473994 | 0.116044 | -4.085 |
| FATIGUE/WEAK | -0.197353 | 0.057584 | -3.427 |
| HYPOTENSION | -0.143962 | 0.119760 | -1.202 |
| INFECT/BLEED | -0.128056 | 0.146411 | -0.875 |
| FLUID LOSS | -0.474361 | 0.085636 | -5.539 |

R SQUARED = 0.9128
RMS ERROR = 0.313376
DGF = 23

**TASK NUMBER 5**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 2.610335 | 0.227222 | 11.488 |
| UPPER GASTRO | -0.286496 | 0.043961 | -6.517 |
| LOWER GASTRO | -0.352076 | 0.110924 | -3.174 |
| FATIGUE/WEAK | -0.172275 | 0.055043 | -3.130 |
| HYPOTENSION | -0.237827 | 0.114476 | -2.078 |
| INFECT/BLEED | 0.059603 | 0.139951 | 0.426 |
| FLUID LOSS | -0.456446 | 0.081858 | -5.576 |

R SQUARED = 0.9084
RMS ERROR = 0.299550
DGF = 23

**TASK NUMBER 6**

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 4.419381 | 0.242622 | 18.215 |
| UPPER GASTRO | -0.309931 | 0.046940 | -6.603 |
| LOWER GASTRO | -0.633198 | 0.118442 | -5.346 |
| FATIGUE/WEAK | -0.159524 | 0.058776 | -2.714 |
| HYPOTENSION | -0.222908 | 0.122235 | -1.824 |
| INFECT/BLEED | 0.017539 | 0.149437 | 0.117 |
| FLUID LOSS | -0.579837 | 0.087406 | -6.634 |

R SQUARED = 0.9192
RMS ERROR = 0.319853
DGF = 23

Table G.3. Regression results, tank crew (Concluded).

TASK NUMBER 7

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 4.180210 | 0.303280 | 13.783 |
| UPPER GASTRO | -0.248242 | 0.058148 | -4.269 |
| LOWER GASTRO | -0.260567 | 0.149415 | -1.744 |
| FATIGUE/WEAK | -0.517479 | 0.070561 | -7.334 |
| HYPOTENSION | 0.079068 | 0.144651 | 0.547 |
| INFECT/BLEED | -0.371420 | 0.122143 | -3.041 |
| FLUID LOSS | -0.597669 | 0.107218 | -5.574 |

R SQUARED = 0.8933
RMS ERROR = 0.427812
DGF = 33

| | TASK NUMBER 8 | | | TASK NUMBER 9 | | |
|---|---|---|---|---|---|---|
| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T | BETA PARAMETER | STANDARD ERROR | STUDENT T |
| INTERCEPT | 2.883474 | 0.194320 | 14.839 | 3.441871 | 0.219059 | 15.712 |
| UPPER GASTRO | -0.212662 | 0.037595 | -5.657 | -0.226692 | 0.042382 | -5.349 |
| LOWER GASTRO | -0.367667 | 0.094862 | -3.876 | -0.462622 | 0.106939 | -4.326 |
| FATIGUE/WEAK | -0.192157 | 0.047073 | -4.082 | -0.322628 | 0.053066 | -6.080 |
| HYPOTENSION | -0.100430 | 0.097900 | -1.026 | -0.190425 | 0.110364 | -1.725 |
| INFECT/BLEED | -0.060938 | 0.119687 | -0.509 | 0.000835 | 0.134924 | 0.006 |
| FLUID LOSS | -0.468161 | 0.070005 | -6.688 | -0.528678 | 0.078917 | -6.699 |
| | R SQUARED = 0.9166 | | | R SQUARED = 0.9362 | | |
| | RMS ERROR = 0.256176 | | | RMS ERROR = 0.288790 | | |
| | DGF = 23 | | | DGF = 23 | | |

[a]Task number 10 regression parameters are those given for the driver in Sec. 3.

Table G.4. Regression results, TOW crew.[a]

TASK NUMBER 1

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.944342 | 0.280672 | 14.053 |
| UPPER GASTRO | -0.225626 | 0.053813 | -4.193 |
| LOWER GASTRO | -0.263445 | 0.138276 | -1.905 |
| FATIGUE/WEAK | -0.374660 | 0.065301 | -5.737 |
| HYPOTENSION | 0.012139 | 0.133858 | 0.091 |
| INFECT/BLEED | -0.384484 | 0.113037 | -3.401 |
| FLUID LOSS | -0.516037 | 0.099225 | -5.201 |

R SQUARED = 0.8683
RMS ERROR = 0.395920
DGF = 33

TASK NUMBER 2

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.704884 | 0.284205 | 13.036 |
| UPPER GASTRO | -0.233399 | 0.054491 | -4.283 |
| LOWER GASTRO | -0.288117 | 0.140017 | -2.058 |
| FATIGUE/WEAK | -0.354899 | 0.066123 | -5.367 |
| HYPOTENSION | 0.124455 | 0.135553 | 0.918 |
| INFECT/BLEED | -0.413633 | 0.114460 | -3.614 |
| FLUID LOSS | -0.493189 | 0.100474 | -4.909 |

R SQUARED = 0.8212
RMS ERROR = 0.400905
DGF = 33

TASK NUMBER 3

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.339075 | 0.301455 | 11.077 |
| UPPER GASTRO | -0.279193 | 0.057798 | -4.830 |
| LOWER GASTRO | -0.207870 | 0.148516 | -1.400 |
| FATIGUE/WEAK | -0.438429 | 0.070137 | -6.251 |
| HYPOTENSION | -0.003845 | 0.143780 | -0.027 |
| INFECT/BLEED | -0.473434 | 0.121406 | -3.900 |
| FLUID LOSS | -0.488139 | 0.106573 | -4.580 |

R SQUARED = 0.8775
RMS ERROR = 0.425238
DGF = 33

TASK NUMBER 4

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 3.565372 | 0.267341 | 13.336 |
| UPPER GASTRO | -0.216770 | 0.051258 | -4.229 |
| LOWER GASTRO | -0.253533 | 0.131709 | -1.925 |
| FATIGUE/WEAK | -0.335201 | 0.062200 | -5.389 |
| HYPOTENSION | 0.022988 | 0.127510 | 0.180 |
| INFECT/BLEED | -0.344564 | 0.107668 | -3.200 |
| FLUID LOSS | -0.481393 | 0.094512 | -5.093 |

R SQUARED = 0.8593
RMS ERROR = 0.377116
DGF = 33

TASK NUMBER 6

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 4.335487 | 0.287865 | 15.061 |
| UPPER GASTRO | -0.254126 | 0.055193 | -4.604 |
| LOWER GASTRO | -0.272422 | 0.141820 | -1.921 |
| FATIGUE/WEAK | -0.527975 | 0.066975 | -7.[illegible]83 |
| HYPOTENSION | 0.038926 | 0.137298 | 0.[illegible] |
| INFECT/BLEED | -0.408598 | 0.115934 | -3.52[illegible] |
| FLUID LOSS | -0.643662 | 0.101768 | -6.325 |

R SQUARED = 0.9111
RMS ERROR = 0.406067
DGF = 33

TASK NUMBER 7

| SYMPTOM | BETA PARAMETER | STANDARD ERROR | STUDENT T |
|---|---|---|---|
| INTERCEPT | 4.464494 | 0.276733 | 16.133 |
| UPPER GASTRO | -0.319320 | 0.053540 | -5.964 |
| LOWER GASTRO | -0.641741 | 0.135094 | -4.750 |
| FATIGUE/WEAK | -0.210481 | 0.067037 | -3.140 |
| HYPOTENSION | -0.192817 | 0.139420 | -1.383 |
| INFECT/BLEED | 0.032442 | 0.170447 | 0.190 |
| FLUID LOSS | -0.557558 | 0.099695 | -5.593 |

R SQUARED = 0.9039
RMS ERROR = 0.364822
DGF = 23

[a]Task number 5 regression parameters are those given for the driver in Sec. 3.

## Appendix H

## EARLY LOWER GASTROINTESTINAL DISTRESS EFFECT ON PERFORMANCE

This appendix shows the effect of early lower gastrointestinal distress (LG) on performance. As discussed in Sec. 4, that effect is due to one or two brief episodes of diarrhea that may occur in a minority of individuals--about 10 percent with a maximum of 30 percent at high doses of the intermediate dose range.

Figures H.1 and H.2 give the symptom complexes, including the early LG effect. Figures H.3 through H.6 are three-dimensional plots for the gun crew loader, FDC computer, tank commander, and TOW loader, chosen to illustrate the early LG effect on performance. Beginning with doses from around 300 to 450 rads (cGy) and for times between about 2 to 6 hr, the initial surface depression is largely attributable to early LG effects.

Figures H.7 through H.10 show the early LG effect on performance given in the contour plots of the same four crewmembers. This is indicated by the dipping in the performance contours at the doses and times indicated above.

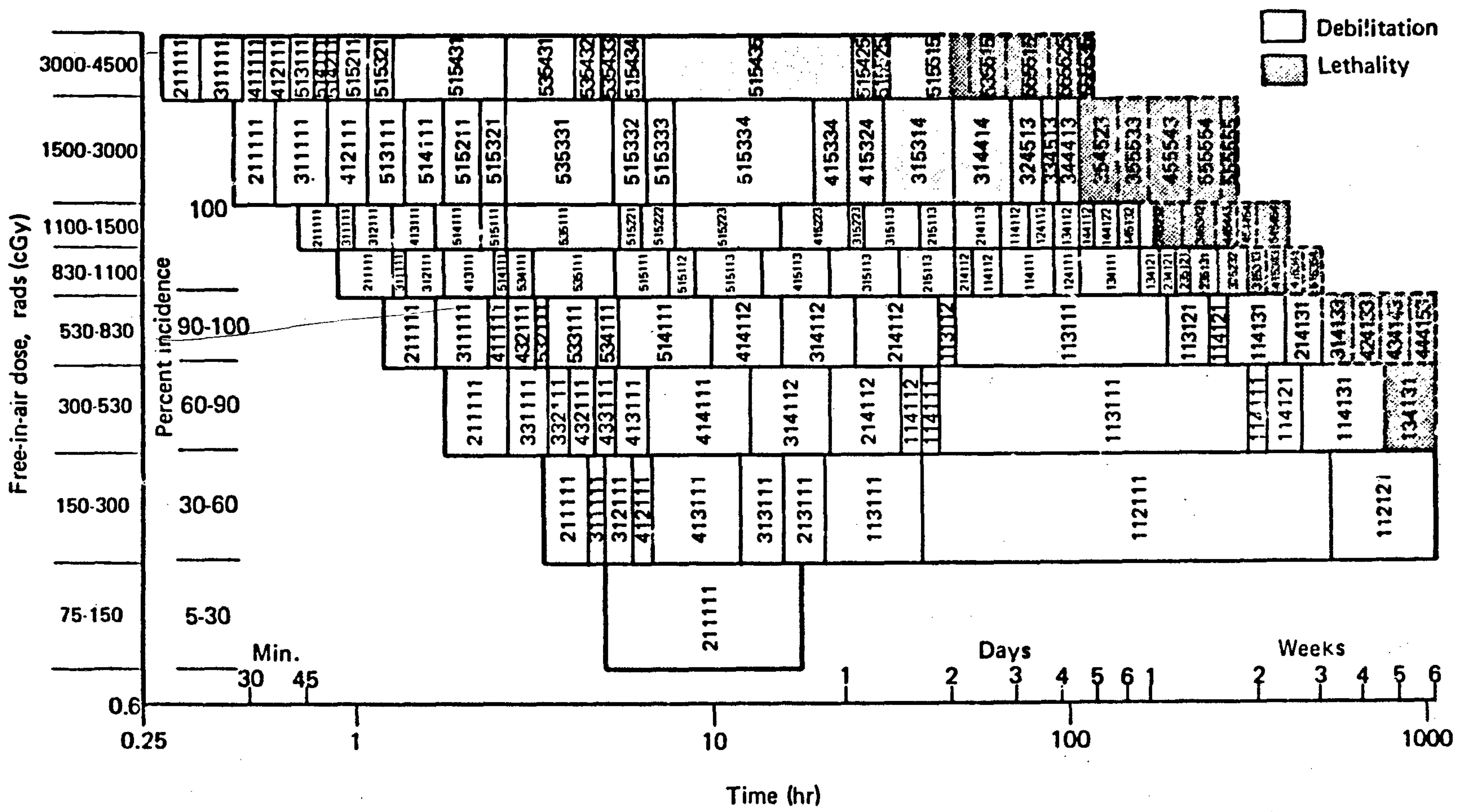


Figure H.1. Symptom complexes--with early LG.

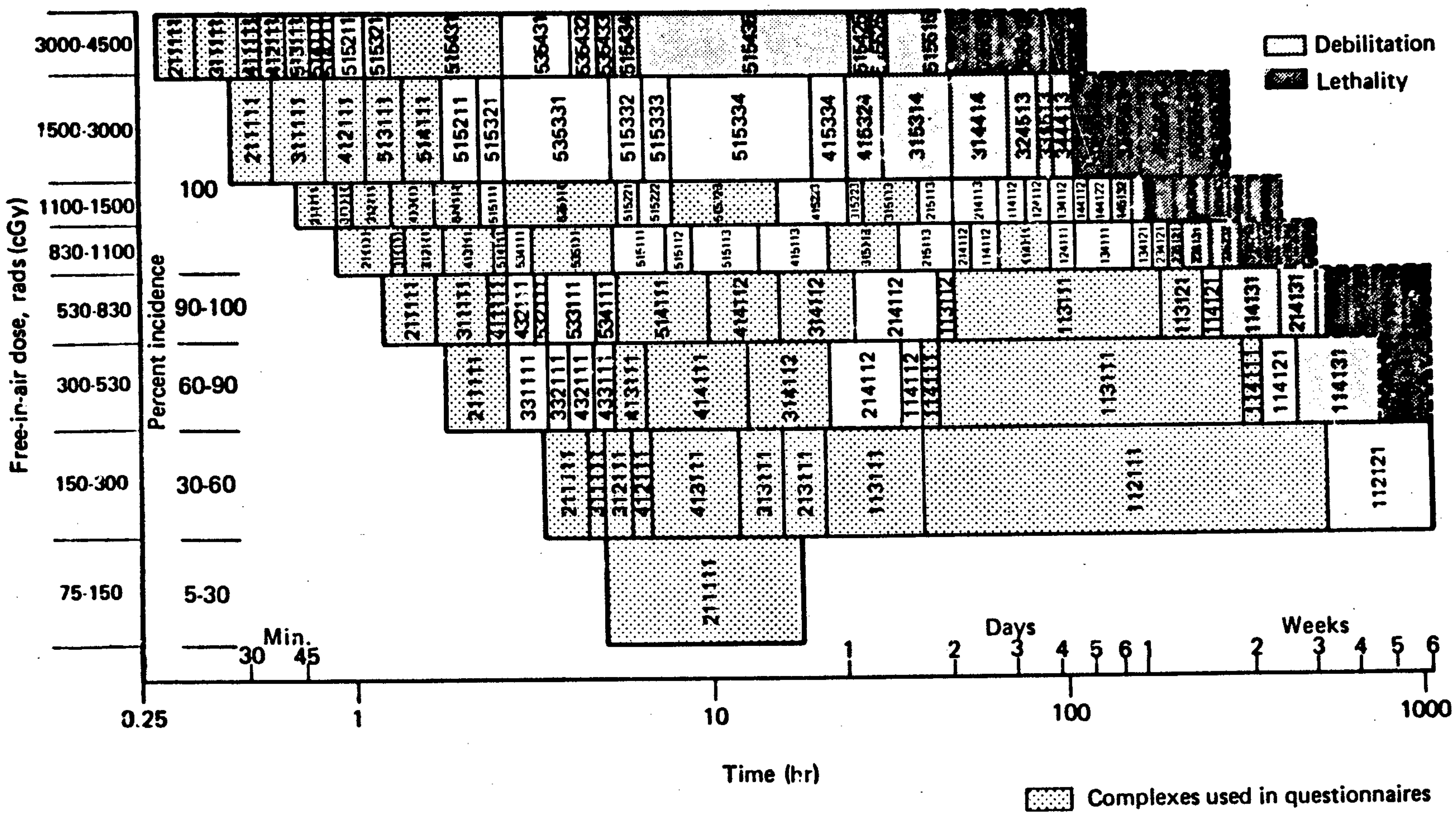


Figure H.2. Symptom complexes including those from questionnaires--with early LG.

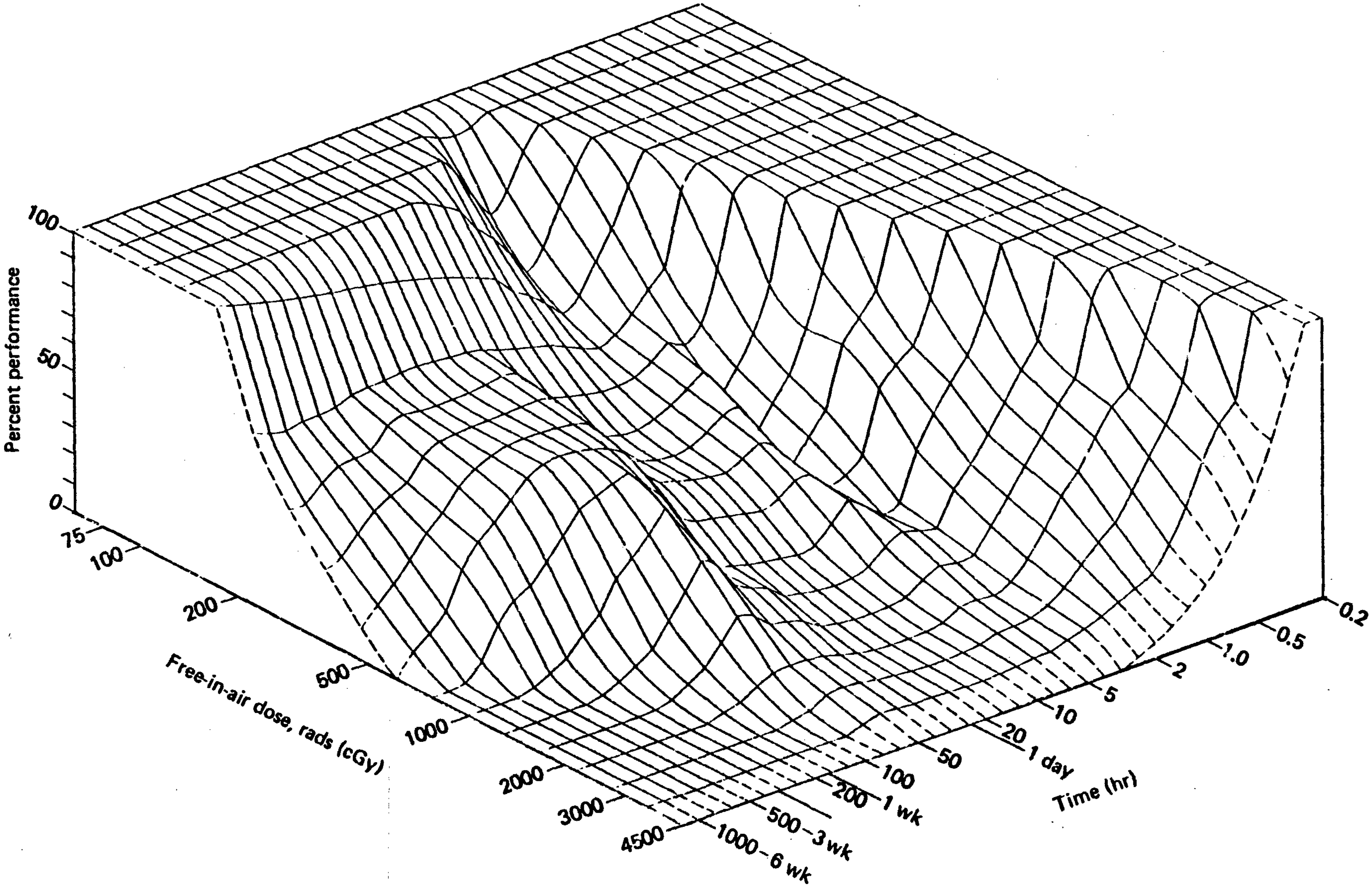


Figure H.3. Performance surface: gun crew, loader.

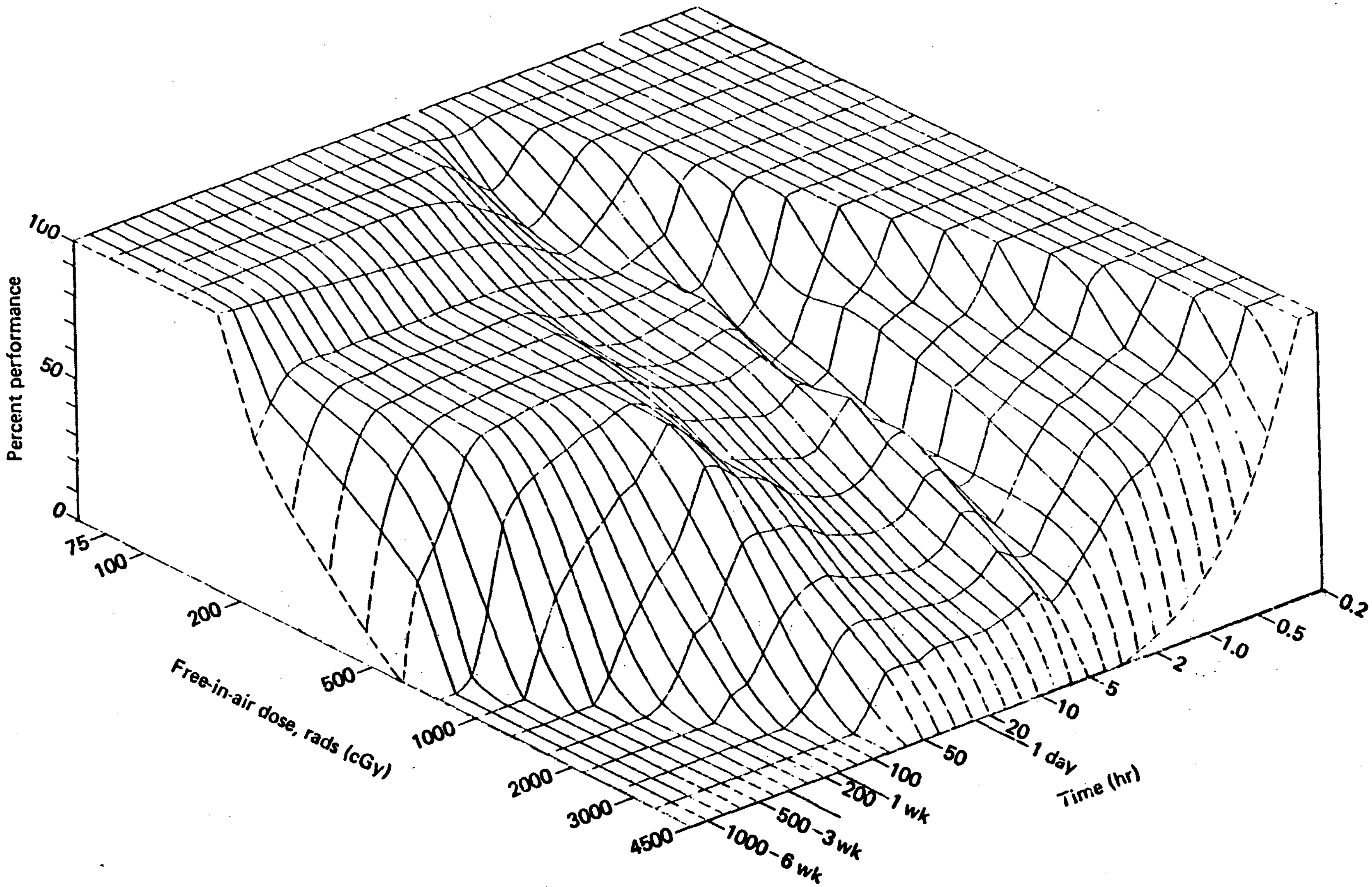


Figure H.4. Performance surface: FDC crew, computer.

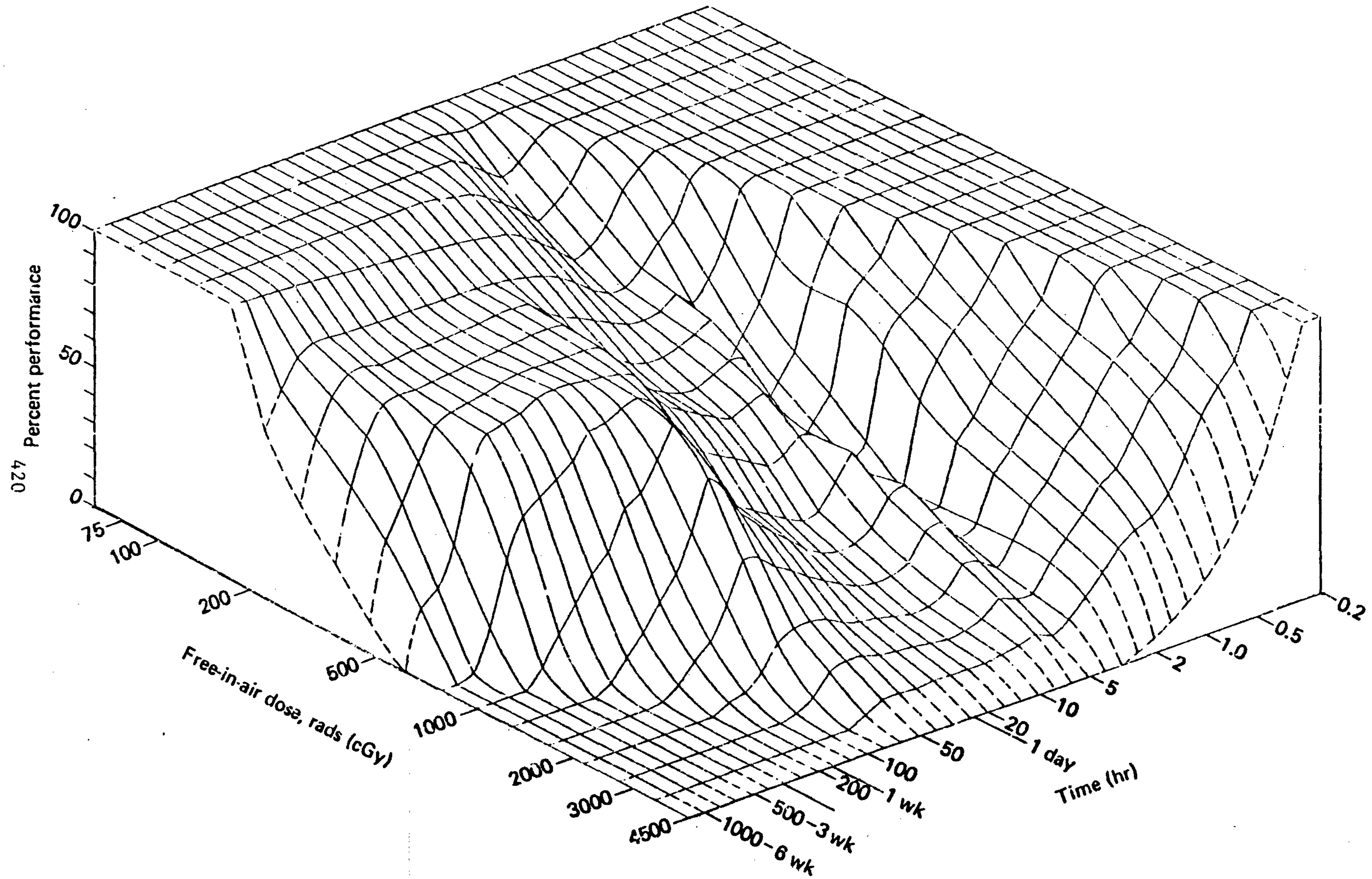


Figure H.5. Performance surface: tank crew, tank commander.

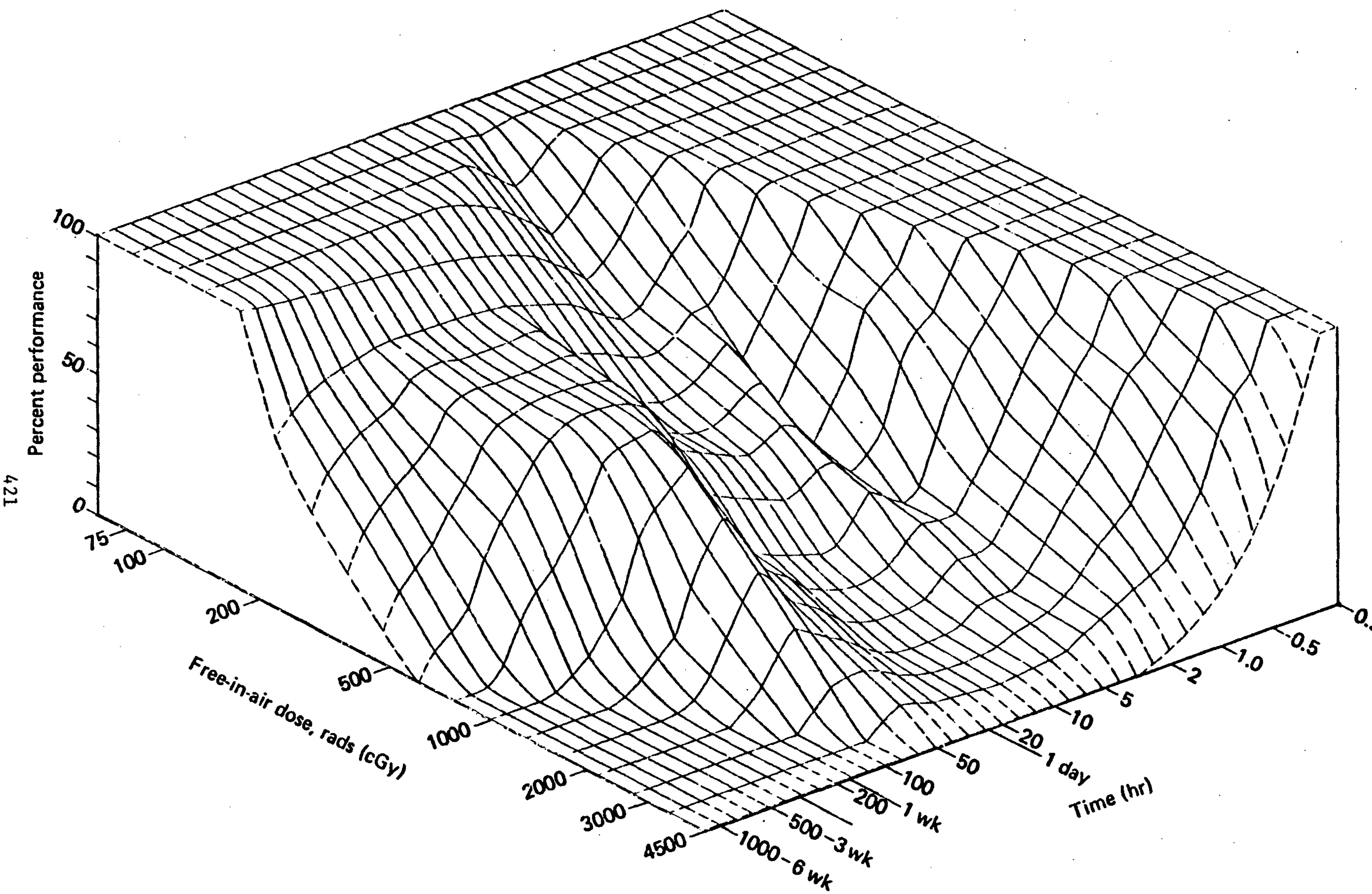


Figure H.6. Performance surface: TOW crew, gunner.

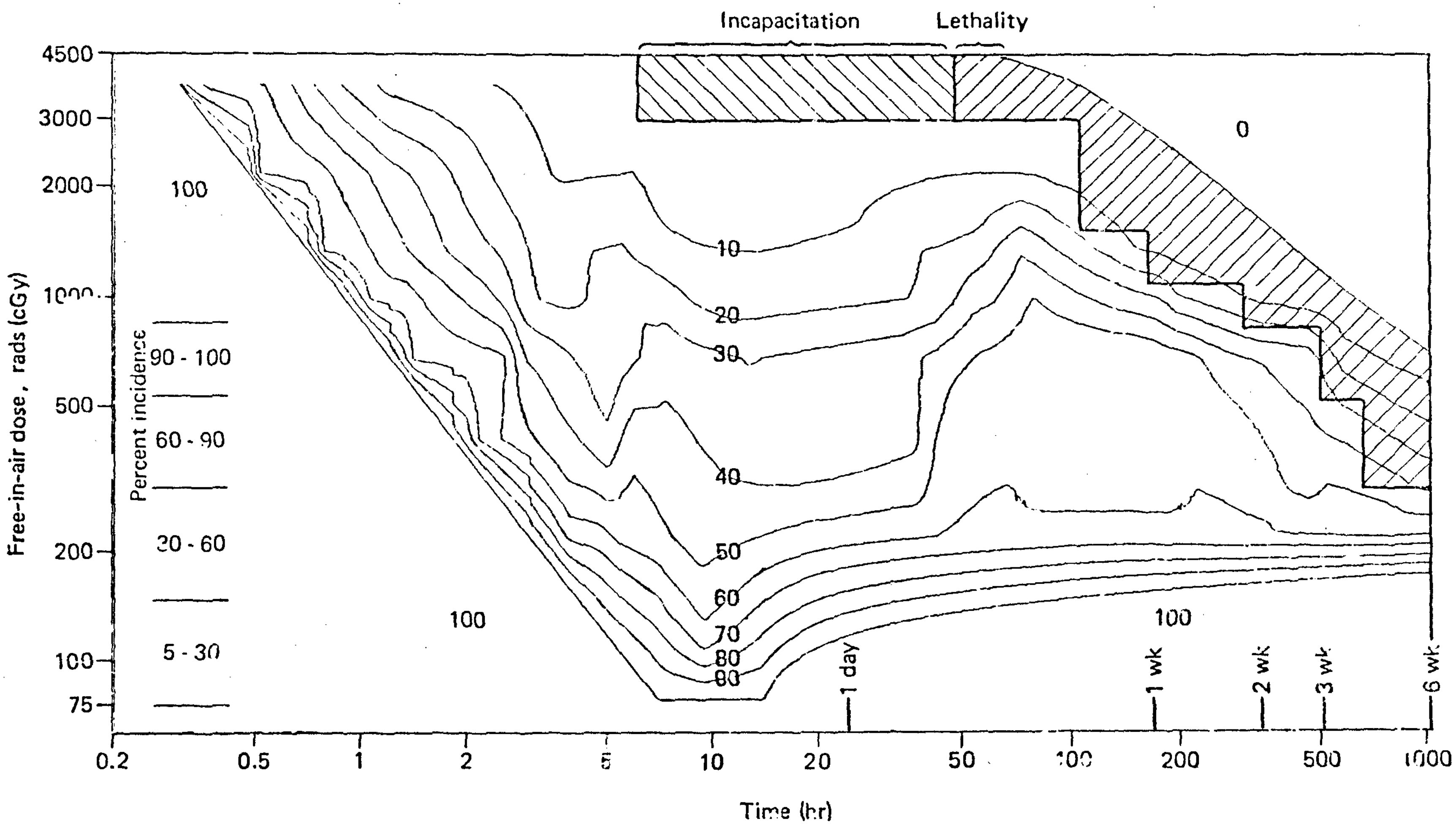


Figure H.7. Performance contours: 10 percent performance intervals, gun crew, loader.

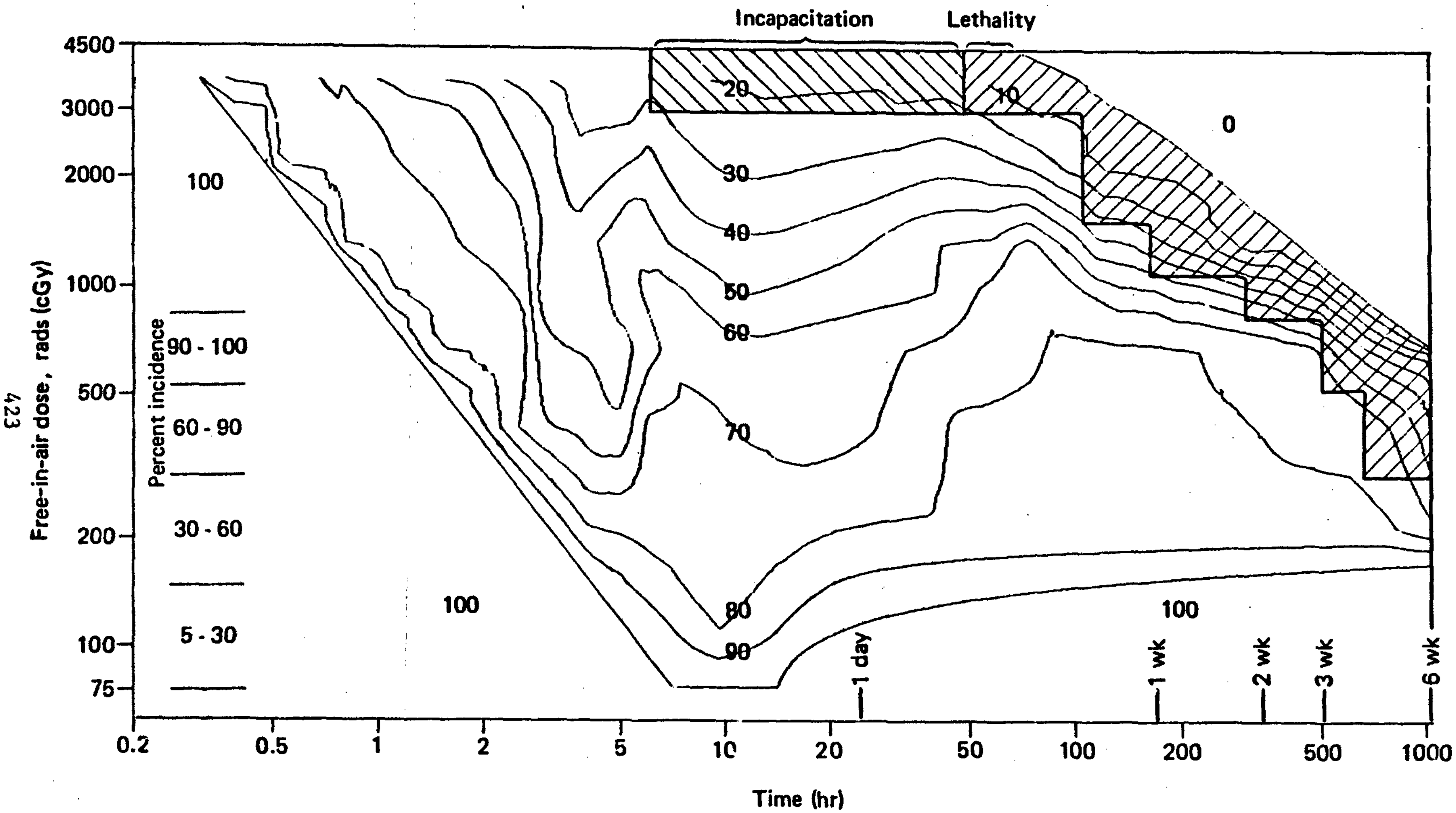


Figure H.8. Performance contours: 10 percent performance intervals, FDC crew, computer.

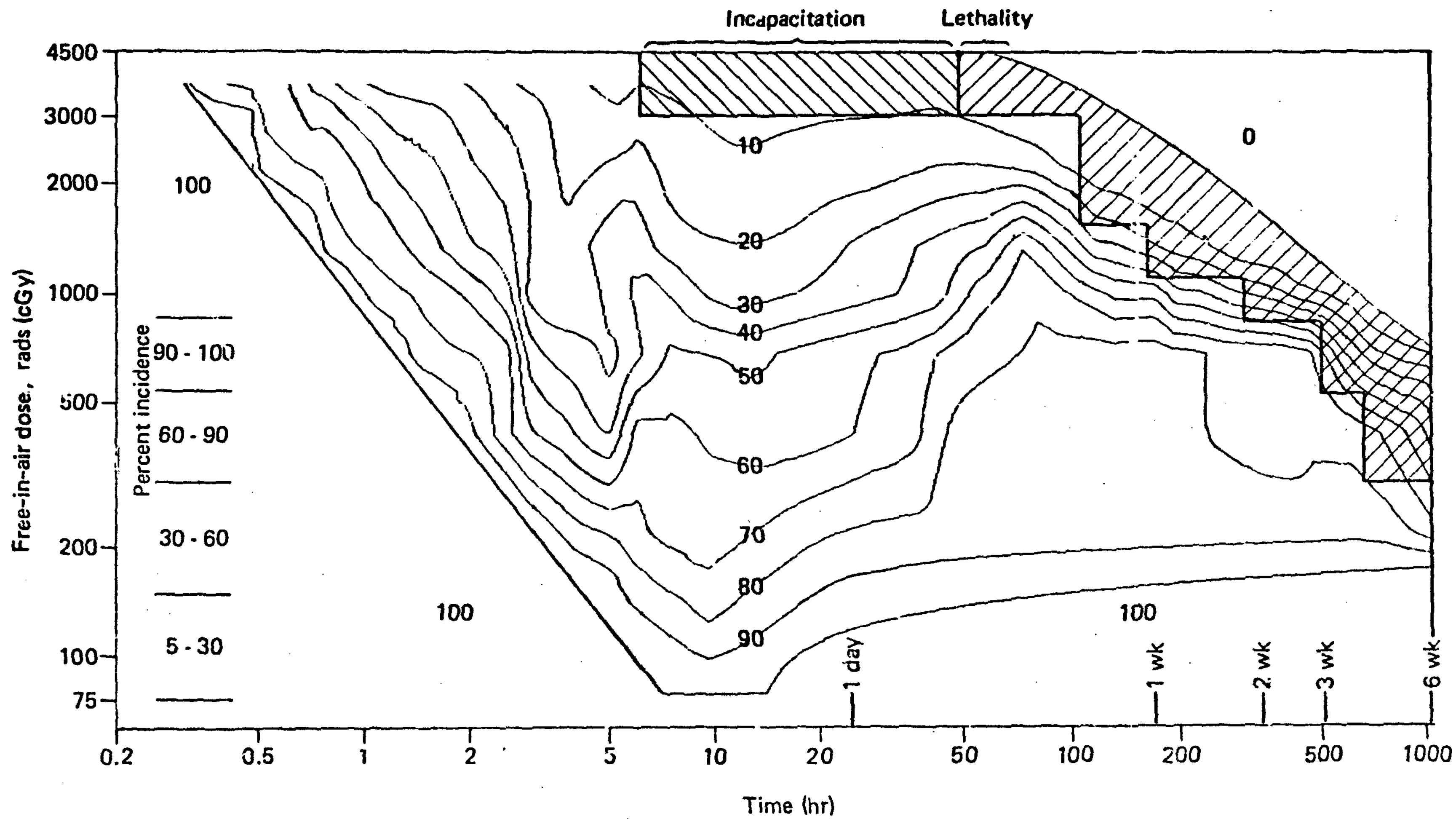


Figure H.9. Performance contours: 10 percent performance intervals, tank crew, tank commander.

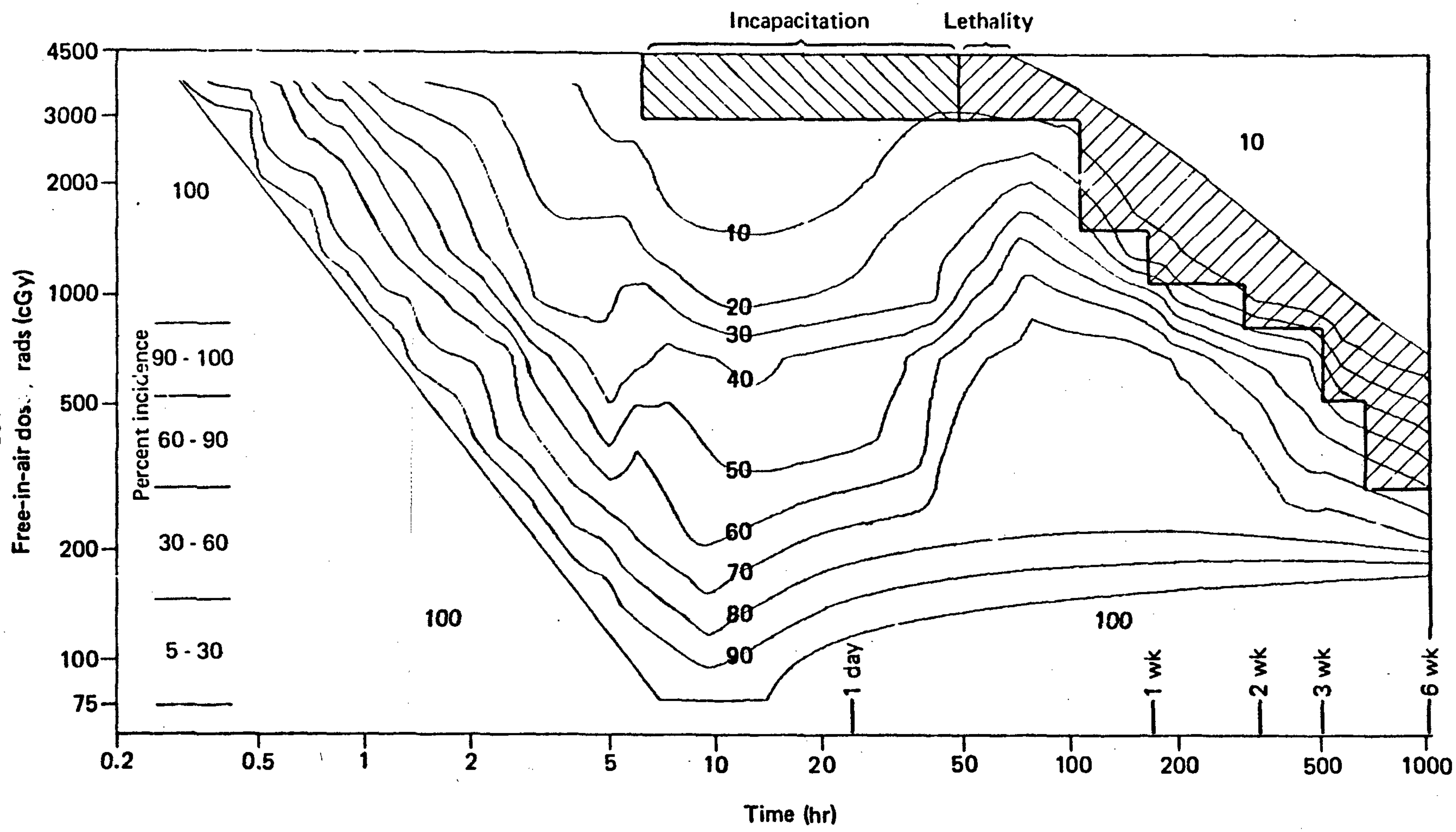


Figure H.10. Performance contours: 10 percent performance intervals, TOW crew, gunner.

# Appendix I

## DOSE, TIME, AND CREWMEMBER PERFORMANCE INPUT VALUES FOR MAPPING

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Table I.1. Initial performance data, gun crew.

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | CHIEF OF SECTION | GUNNER | ASSISTANT GUNNER | LOADER |
|---|---|---|---|---|---|---|---|---|
| 75- 150 | 211111 | 5.0 | 18.0 | 9.49 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| 150- 300 | 211111 | 3.4 | 4.5 | 3.91 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 4.5 | 5.0 | 4.74 | 0.6751 | 0.8106 | 0.7665 | 0.6487 |
| | 312111 | 5.0 | 6.0 | 5.48 | 0.6341 | 0.7701 | 0.7403 | 0.5777 |
| | 412111 | 6.0 | 6.8 | 6.39 | 0.5804 | 0.7432 | 0.7135 | 0.5415 |
| | 413111 | 6.8 | 12.0 | 9.03 | 0.5357 | 0.6937 | 0.6583 | 0.4667 |
| | 313111 | 12.0 | 16.0 | 13.86 | 0.5912 | 0.7239 | 0.6880 | 0.5053 |
| | 213111 | 16.0 | 21.0 | 18.33 | 0.6444 | 0.7522 | 0.7162 | 0.5399 |
| | 113111 | 21.0 | 40.0 | 26.98 | 0.6943 | 0.7784 | 0.7428 | 0.5761 |
| | 112111 | 40.0 | 540.0 | 146.97 | 0.7314 | 0.8178 | 0.7888 | 0.6472 |
| | 112121 | 540.0 | 1060.0 | 756.57 | 0.6568 | 0.7894 | 0.7506 | 0.5916 |
| 300- 530 | 211111 | 1.8 | 2.7 | 2.20 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 2.7 | 3.5 | 3.07 | 0.6751 | 0.8106 | 0.7665 | 0.6487 |
| | 312111 | 3.5 | 3.9 | 3.69 | 0.6341 | 0.7701 | 0.7403 | 0.5777 |
| | 412111 | 3.9 | 4.6 | 4.24 | 0.5804 | 0.7432 | 0.7135 | 0.5415 |
| | 413111 | 4.6 | 6.6 | 5.51 | 0.5357 | 0.6937 | 0.6583 | 0.4667 |
| | 414111 | 6.6 | 13.0 | 9.26 | 0.4904 | 0.6394 | 0.5985 | 0.3952 |
| | 314112 | 13.0 | 22.0 | 16.91 | 0.4386 | 0.5694 | 0.5247 | 0.3259 |
| | 214112 | 22.0 | 35.0 | 27.75 | 0.4947 | 0.6048 | 0.5582 | 0.3569 |
| | 114112 | 35.0 | 40.0 | 37.42 | 0.5510 | 0.6392 | 0.5912 | 0.3933 |
| | 114111 | 40.0 | 45.0 | 42.43 | 0.6545 | 0.7333 | 0.6909 | 0.5016 |
| | 113111 | 45.0 | 320.0 | 120.00 | 0.6943 | 0.7784 | 0.7428 | 0.5761 |
| | 114111 | 320.0 | 360.0 | 339.41 | 0.6545 | 0.7333 | 0.6909 | 0.5016 |
| | 114121 | 360.0 | 450.0 | 402.49 | 0.5712 | 0.6967 | 0.6430 | 0.4429 |
| | 114131 | 450.0 | 780.0 | 592.45 | 0.4836 | 0.6574 | 0.5921 | 0.3857 |
| | 134131 | 780.0 | 1080.0 | 917.82 | 0.3106 | 0.4821 | 0.4108 | 0.2568 |
| 530- 830 | 211111 | 1.2 | 1.7 | 1.43 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 1.7 | 2.4 | 2.02 | 0.6751 | 0.8106 | 0.7865 | 0.6487 |
| | 411111 | 2.4 | 2.7 | 2.55 | 0.6238 | 0.7871 | 0.7630 | 0.6146 |
| | 412111 | 2.7 | 3.3 | 2.96 | 0.5804 | 0.7432 | 0.7135 | 0.5415 |
| | 512111 | 3.3 | 3.5 | 3.37 | 0.5246 | 0.7143 | 0.6852 | 0.5050 |
| | 513111 | 3.5 | 4.8 | 4.10 | 0.4793 | 0.6618 | 0.6274 | 0.4304 |
| | 514111 | 4.8 | 10.0 | 6.93 | 0.4343 | 0.6050 | 0.5657 | 0.3568 |
| | 414112 | 10.0 | 16.0 | 12.65 | 0.3840 | 0.5332 | 0.4910 | 0.2945 |
| | 314112 | 16.0 | 26.0 | 20.40 | 0.4386 | 0.5694 | 0.5247 | 0.3259 |
| | 214112 | 26.0 | 45.0 | 34.21 | 0.4947 | 0.6048 | 0.5582 | 0.3589 |
| | 113112 | 45.0 | 50.0 | 47.43 | 0.5953 | 0.6936 | 0.6515 | 0.4607 |
| | 113111 | 50.0 | 190.0 | 97.47 | 0.6943 | 0.7784 | 0.7428 | 0.5761 |
| | 113121 | 190.0 | 250.0 | 217.95 | 0.6149 | 0.7458 | 0.6995 | 0.5176 |
| | 114121 | 250.0 | 280.0 | 264.58 | 0.5712 | 0.6967 | 0.6430 | 0.4429 |
| | 114131 | 280.0 | 410.0 | 338.82 | 0.4836 | 0.6574 | 0.5921 | 0.3857 |
| | 214131 | 410.0 | 520.0 | 461.74 | 0.4276 | 0.6237 | 0.5591 | 0.3516 |
| | 314133 | 520.0 | 630.0 | 572.36 | 0.2000 | 0.3728 | 0.3169 | 0.1626 |
| | 424133 | 630.0 | 760.0 | 691.95 | 0.1216 | 0.2634 | 0.2193 | 0.1112 |
| | 434143 | 760.0 | 910.0 | 831.62 | 0.0633 | 0.1722 | 0.1356 | 0.0686 |
| | 444153 | 910.0 | 1080.0 | 991.36 | 0.0319 | 0.1079 | 0.0805 | 0.0416 |

Table I.1. Initial performance data, gun crew (Continued).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | CHIEF OF SECTION | GUNNER | ASSISTANT GUNNER | LOADER |
|---|---|---|---|---|---|---|---|---|
| 830- 1100 | 211111 | 0.9 | 1.3 | 1.08 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 1.3 | 1.4 | 1.35 | 0.6751 | 0.8106 | 0.7865 | 0.6487 |
| | 312111 | 1.4 | 1.8 | 1.59 | 0.6341 | 0.7701 | 0.7403 | 0.5777 |
| | 413111 | 1.8 | 2.5 | 2.12 | 0.5357 | 0.6937 | 0.6583 | 0.4667 |
| | 514111 | 2.5 | 3.2 | 2.83 | 0.4343 | 0.6050 | 0.5657 | 0.3568 |
| | 515111 | 3.2 | 7.6 | 4.93 | 0.3904 | 0.5452 | 0.5019 | 0.2931 |
| | 515112 | 7.6 | 9.0 | 8.27 | 0.2932 | 0.4358 | 0.3746 | 0.2108 |
| | 515113 | 9.0 | 14.0 | 11.22 | 0.2118 | 0.3322 | 0.2967 | 0.1468 |
| | 415113 | 14.0 | 22.0 | 17.55 | 0.2519 | 0.3655 | 0.3256 | 0.1601 |
| | 315113 | 22.0 | 35.0 | 27.75 | 0.2968 | 0.4000 | 0.3559 | 0.1874 |
| | 215113 | 35.0 | 50.0 | 41.83 | 0.3460 | 0.4356 | 0.3874 | 0.2108 |
| | 214112 | 50.0 | 56.0 | 52.91 | 0.4947 | 0.6048 | 0.5582 | 0.3569 |
| | 114112 | 56.0 | 67.0 | 61.25 | 0.5510 | 0.6392 | 0.5912 | 0.3933 |
| | 114111 | 67.0 | 92.0 | 78.51 | 0.6545 | 0.7333 | 0.6909 | 0.5016 |
| | 124111 | 92.0 | 110.0 | 100.60 | 0.5680 | 0.6570 | 0.6076 | 0.4288 |
| | 134111 | 110.0 | 160.0 | 132.66 | 0.4771 | 0.5716 | 0.5177 | 0.3569 |
| | 134121 | 160.0 | 180.0 | 169.71 | 0.3905 | 0.5270 | 0.4638 | 0.3065 |
| | 234121 | 180.0 | 190.0 | 184.93 | 0.3386 | 0.4905 | 0.4304 | 0.2763 |
| | 235121 | 190.0 | 200.0 | 194.94 | 0.2992 | 0.4297 | 0.3689 | 0.2204 |
| | 235131 | 200.0 | 260.0 | 228.04 | 0.2309 | 0.3863 | 0.3203 | 0.1826 |
| | 325232 | 260.0 | 320.0 | 288.44 | 0.1730 | 0.2972 | 0.2523 | 0.1205 |
| | 315343 | 320.0 | 360.0 | 339.41 | 0.1138 | 0.2155 | 0.1823 | 0.0714 |
| | 415343 | 360.0 | 410.0 | 384.19 | 0.0930 | 0.1918 | 0.1630 | 0.0622 |
| | 415344 | 410.0 | 460.0 | 434.28 | 0.0622 | 0.1326 | 0.1119 | 0.0410 |
| | 515354 | 460.0 | 520.0 | 489.08 | 0.0359 | 0.0994 | 0.0815 | 0.0283 |
| 1100- 1500 | 211111 | 0.7 | 0.9 | 0.79 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 0.9 | 1.0 | 0.95 | 0.6751 | 0.8106 | 0.7865 | 0.6487 |
| | 312111 | 1.0 | 1.3 | 1.14 | 0.6341 | 0.7701 | 0.7403 | 0.5777 |
| | 413111 | 1.3 | 1.7 | 1.49 | 0.5357 | 0.6937 | 0.6583 | 0.4667 |
| | 514111 | 1.7 | 2.3 | 1.98 | 0.4343 | 0.6050 | 0.5657 | 0.3568 |
| | 515111 | 2.3 | 5.3 | 3.49 | 0.3904 | 0.5452 | 0.5019 | 0.2931 |
| | 515221 | 5.3 | 5.7 | 5.50 | 0.2965 | 0.4572 | 0.4162 | 0.2121 |
| | 515222 | 5.7 | 8.0 | 6.75 | 0.2144 | 0.3517 | 0.3157 | 0.1478 |
| | 515223 | 8.0 | 16.0 | 11.31 | 0.1502 | 0.2590 | 0.2299 | 0.1005 |
| | 415223 | 16.0 | 25.0 | 20.00 | 0.1814 | 0.2860 | 0.2546 | 0.1145 |
| | 315223 | 25.0 | 27.0 | 25.98 | 0.2174 | 0.3189 | 0.2811 | 0.1303 |
| | 315113 | 27.0 | 40.0 | 32.66 | 0.2968 | 0.4000 | 0.3559 | 0.1874 |
| | 215113 | 40.0 | 50.0 | 44.72 | 0.3460 | 0.4356 | 0.3874 | 0.2108 |
| | 214113 | 50.0 | 66.0 | 57.45 | 0.3881 | 0.4965 | 0.4498 | 0.2650 |
| | 114112 | 66.0 | 80.0 | 72.66 | 0.5510 | 0.6392 | 0.5912 | 0.3933 |
| | 124112 | 80.0 | 92.0 | 85.79 | 0.4600 | 0.5524 | 0.5005 | 0.3259 |
| | 134112 | 92.0 | 110.0 | 100.60 | 0.3715 | 0.4622 | 0.4098 | 0.2650 |
| | 144112 | 110.0 | 120.0 | 114.89 | 0.2909 | 0.3744 | 0.3249 | 0.2119 |
| | 144122 | 120.0 | 140.0 | 129.61 | 0.2236 | 0.3333 | 0.2795 | 0.1752 |
| | 145132 | 140.0 | 160.0 | 149.67 | 0. 446 | 0.2463 | 0.1947 | 0.1105 |
| | 245232 | 160.0 | 210.0 | 183.30 | 0.1121 | 0.1919 | 0.1565 | 0.0[illegible]11 |
| | 345342 | 210.0 | 260.0 | 233.67 | 0.0622 | 0.1260 | 0.1029 | 0.0472 |
| | 445443 | 260.0 | 300.0 | 279.29 | 0.0311 | 0.0632 | 0.0539 | 0.0221 |
| | 454454 | 300.0 | 340.0 | 319.37 | 0.0120 | 0.0313 | 0.0259 | 0.0115 |
| | 545454 | 340.0 | 420.0 | 377.89 | 0.0115 | 0.0304 | 0.0253 | 0.0098 |

Table I.1. Initial performance data, gun crew (Concluded).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | CHIEF OF SECTION | GUNNER | ASSISTANT GUNNER | LOADER |
|---|---|---|---|---|---|---|---|---|
| 1500- 3000 | 211111 | 0.4 | 0.6 | 0.52 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 0.6 | 0.8 | 0.71 | 0.6751 | 0.8106 | 0.7665 | 0.6487 |
| | 412111 | 0.6 | 1.1 | 0.96 | 0.5804 | 0.7432 | 0.7135 | 0.5415 |
| | 513111 | 1.1 | 1.4 | 1.24 | 0.4793 | 0.6618 | 0.6274 | 0.4304 |
| | 514111 | 1.4 | 1.8 | 1.59 | 0.4343 | 0.6050 | 0.5657 | 0.3588 |
| | 515211 | 1.8 | 2.3 | 2.03 | 0.3748 | 0.5020 | 0.4694 | 0.2543 |
| | 515321 | 2.3 | 2.7 | 2.49 | 0.2829 | 0.4146 | 0.3850 | 0.1813 |
| | 515331 | 2.7 | 5.4 | 3.82 | 0.2171 | 0.3717 | 0.3353 | 0.1489 |
| | 515332 | 5.4 | 6.6 | 5.97 | 0.1523 | 0.2759 | 0.2461 | 0.1012 |
| | 515333 | 6.6 | 8.0 | 7.27 | 0.1042 | 0.1971 | 0.1744 | 0.0677 |
| | 515334 | 8.0 | 20.0 | 12.65 | 0.0701 | 0.1366 | 0.1202 | 0.0447 |
| | 415334 | 20.0 | 24.0 | 21.91 | 0.0863 | 0.1547 | 0.1352 | 0.0513 |
| | 415324 | 24.0 | 32.0 | 27.71 | 0.1184 | 0.1798 | 0.1625 | 0.0641 |
| | 315314 | 32.0 | 50.0 | 40.00 | 0.1932 | 0.2330 | 0.2161 | 0.0913 |
| | 314414 | 50.0 | 72.0 | 60.00 | 0.2118 | 0.2461 | 0.2383 | 0.1004 |
| | 324513 | 72.0 | 86.0 | 76.69 | 0.2123 | 0.2288 | 0.2273 | 0.0960 |
| | 334513 | 86.0 | 96.0 | 90.86 | 0.1576 | 0.1713 | 0.1693 | 0.0734 |
| | 344413 | 96.0 | 110.0 | 102.76 | 0.1218 | 0.1461 | 0.1386 | 0.0670 |
| | 354523 | 110.0 | 140.0 | 124.10 | 0.0596 | 0.0773 | 0.0731 | 0.0336 |
| | 355533 | 140.0 | 170.0 | 154.27 | 0.0358 | 0.0519 | 0.0469 | 0.0199 |
| | 455543 | 170.0 | 220.0 | 193.39 | 0.0204 | 0.0380 | 0.0335 | 0.0137 |
| | 555554 | 220.0 | 270.0 | 243.72 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| | 555555 | 270.0 | 300.0 | 284.61 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3000- 4500 | 211111 | 0.3 | 0.4 | 0.32 | 0.7226 | 0.8320 | 0.8083 | 0.6814 |
| | 311111 | 0.4 | 0.5 | 0.42 | 0.6751 | 0.8106 | 0.7865 | 0.6487 |
| | 411111 | 0.5 | 0.6 | 0.52 | 0.6238 | 0.7871 | 0.7630 | 0.6146 |
| | 412111 | 0.6 | 0.7 | 0.61 | 0.5804 | 0.7432 | 0.7135 | 0.5415 |
| | 513111 | 0.7 | 0.8 | 0.71 | 0.4793 | 0.6618 | 0.6274 | 0.4304 |
| | 514111 | 0.8 | 0.8 | 0.80 | 0.4343 | 0.6050 | 0.5657 | 0.3588 |
| | 514211 | 0.8 | 0.9 | 0.87 | 0.4181 | 0.5630 | 0.5335 | 0.3152 |
| | 515211 | 0.9 | 1.1 | 0.99 | 0.3748 | 0.5020 | 0.4694 | 0.2543 |
| | 515321 | 1.1 | 1.3 | 1.20 | 0.2829 | 0.4146 | 0.3850 | 0.1813 |
| | 515431 | 1.3 | 2.7 | 1.87 | 0.2061 | 0.3322 | 0.3070 | 0.1257 |
| | 535431 | 2.7 | 4.2 | 3.37 | 0.1111 | 0.1944 | 0.1754 | 0.0741 |
| | 535432 | 4.2 | 5.0 | 4.58 | 0.0749 | 0.1345 | 0.1210 | 0.0490 |
| | 535433 | 5.0 | 5.6 | 5.29 | 0.0498 | 0.0910 | 0.0818 | 0.0321 |
| | 515434 | 5.6 | 6.6 | 6.08 | 0.0659 | 0.1174 | 0.1071 | 0.0370 |
| | 515435 | 6.6 | 26.0 | 13.10 | 0.0437 | 0.0789 | 0.0720 | 0.0242 |
| | 515425 | 26.0 | 30.0 | 27.93 | 0.0610 | 0.0930 | 0.0879 | 0.0304 |
| | 515525 | 30.0 | 33.0 | 31.46 | 0.0573 | 0.0794 | 0.0780 | 0.0251 |
| | 515515 | 33.0 | 55.0 | 42.60 | 0.0796 | 0.0936 | 0.0950 | 0.0316 |
| | 535515 | 55.0 | 70.0 | 62.05 | 0.0400 | 0.0477 | 0.0480 | 0.0178 |
| | 555515 | 70.0 | 91.0 | 79.81 | 0.0197 | 0.0237 | 0.0236 | 0.0100 |
| | 555525 | 91.0 | 110.0 | 100.05 | 0.0139 | 0.0199 | 0.0191 | 0.0079 |
| | 555535 | 110.0 | 120.0 | 114.89 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Table I.2. Initial performance data, FDC.

| DOSE-RANGE RADS (CGY) | | SYMPTOM COMPLEX | TIME-RANGE | | TIME | FIRE DIRECTION OFFICER | HORIZONTAL CONTROL OPERATOR | COMPUTER |
|---|---|---|---|---|---|---|---|---|
| 75- | 150 | 211111 | 5.0 | 18.0 | 9.49 | 0.8168 | 0.7479 | 0.8076 |
| 150- | 300 | 211111 | 3.4 | 4.5 | 3.91 | 0.8168 | 0.7479 | 0.8076 |
| | | 311111 | 4.5 | 5.0 | 4.74 | 0.7800 | 0.7105 | 0.7811 |
| | | 312111 | 5.0 | 6.0 | 5.48 | 0.7678 | 0.6900 | 0.7682 |
| | | 412111 | 6.0 | 6.8 | 6.39 | 0.7244 | 0.6480 | 0.7381 |
| | | 413111 | 6.8 | 12.0 | 9.03 | 0.7102 | 0.6254 | 0.7236 |
| | | 313111 | 12.0 | 16.0 | 13.86 | 0.7551 | 0.6687 | 0.7548 |
| | | 213111 | 16.0 | 21.0 | 18.33 | 0.7950 | 0.7093 | 0.7836 |
| | | 113111 | 21.0 | 40.0 | 28.98 | 0.8299 | 0.7468 | 0.8099 |
| | | 112111 | 40.0 | 540.0 | 146.97 | 0.8395 | 0.7648 | 0.8210 |
| | | 112121 | 540.0 | 1060.0 | 756.57 | 0.8043 | 0.7469 | 0.8131 |
| 300- | 530 | 211111 | 1.8 | 2.7 | 2.20 | 0.8168 | 0.7479 | 0.8076 |
| | | 311111 | 2.7 | 3.5 | 3.07 | 0.7800 | 0.7105 | 0.7811 |
| | | 312111 | 3.5 | 3.9 | 3.69 | 0.7678 | 0.6900 | 0.7682 |
| | | 412111 | 3.9 | 4.6 | 4.24 | 0.7244 | 0.6480 | 0.7381 |
| | | 413111 | 4.6 | 6.6 | 5.51 | 0.7102 | 0.6254 | 0.7236 |
| | | 414111 | 6.6 | 13.0 | 9.26 | 0.6957 | 0.6023 | 0.7086 |
| | | 314112 | 13.0 | 22.0 | 16.91 | 0.6391 | 0.5705 | 0.6679 |
| | | 214112 | 22.0 | 35.0 | 27.75 | 0.6902 | 0.6162 | 0.7029 |
| | | 114112 | 35.0 | 40.0 | 37.42 | 0.7370 | 0.6599 | 0.7356 |
| | | 114111 | 40.0 | 45.0 | 42.43 | 0.8198 | 0.7279 | 0.7983 |
| | | 113111 | 45.0 | 320.0 | 120.00 | 0.8299 | 0.7468 | 0.8099 |
| | | 114111 | 320.0 | 360.0 | 339.41 | 0.8198 | 0.7279 | 0.7983 |
| | | 114121 | 360.0 | 450.0 | 402.49 | 0.7814 | 0.7082 | 0.7696 |
| | | 114131 | 450.0 | 780.0 | 592.45 | 0.7375 | 0.6877 | 0.7807 |
| | | 134131 | 780.0 | 1080.0 | 917.82 | 0.4958 | 0.5249 | 0.6045 |
| 530- | 830 | 211111 | 1.2 | 1.7 | 1.43 | 0.8168 | 0.7479 | 0.8076 |
| | | 311111 | 1.7 | 2.4 | 2.02 | 0.7800 | 0.7105 | 0.7811 |
| | | 411111 | 2.4 | 2.7 | 2.55 | 0.7381 | 0.6700 | 0.7521 |
| | | 412111 | 2.7 | 3.3 | 2.96 | 0.7244 | 0.6480 | 0.7381 |
| | | 512111 | 3.3 | 3.5 | 3.37 | 0.6763 | 0.6037 | 0.7055 |
| | | 513111 | 3.5 | 4.8 | 4.10 | 0.6609 | 0.5801 | 0.6900 |
| | | 514111 | 4.8 | 10.0 | 6.93 | 0.6451 | 0.5561 | 0.6740 |
| | | 414112 | 10.0 | 16.0 | 12.65 | 0.5847 | 0.5235 | 0.6310 |
| | | 314112 | 16.0 | 26.0 | 20.40 | 0.6391 | 0.5705 | 0.6679 |
| | | 214112 | 26.0 | 45.0 | 34.21 | 0.6902 | 0.6162 | 0.7029 |
| | | 113112 | 45.0 | 50.0 | 47.43 | 0.7503 | 0.6815 | 0.7497 |
| | | 113111 | 50.0 | 190.0 | 97.47 | 0.8299 | 0.7468 | 0.8099 |
| | | 113121 | 190.0 | 250.0 | 217.95 | 0.7931 | 0.7279 | 0.8016 |
| | | 114121 | 250.0 | 280.0 | 264.58 | 0.7814 | 0.7082 | 0.7896 |
| | | 114131 | 280.0 | 410.0 | 336.82 | 0.7375 | 0.6877 | 0.7807 |
| | | 214131 | 410.0 | 520.0 | 461.74 | 0.6907 | 0.6456 | 0.7516 |
| | | 314133 | 520.0 | 630.0 | 572.36 | 0.4025 | 0.4423 | 0.5599 |
| | | 424133 | 630.0 | 760.0 | 691.95 | 0.2406 | 0.3173 | 0.4148 |
| | | 434143 | 760.0 | 910.0 | 831.62 | 0.1284 | 0.2300 | 0.3058 |
| | | 444153 | 910.0 | 1080.0 | 991.36 | 0.0641 | 0.1610 | 0.2149 |

Table I.2. Initial performance data, FDC (Continued).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | FIRE DIRECTION OFFICER | HORIZONTAL CONTROL OPERATOR | COMPUTER |
|---|---|---|---|---|---|---|---|
| 830- 1100 | 211111 | 0.9 | 1.3 | 1.08 | 0.8168 | 0.7479 | 0.8076 |
| | 311111 | 1.3 | 1.4 | 1.35 | 0.7800 | 0.7105 | 0.7811 |
| | 312111 | 1.4 | 1.8 | 1.59 | 0.7676 | 0.6900 | 0.7682 |
| | 413111 | 1.8 | 2.5 | 2.12 | 0.7102 | 0.6254 | 0.7236 |
| | 514111 | 2.5 | 3.2 | 2.83 | 0.6451 | 0.5561 | 0.6740 |
| | 515111 | 3.2 | 7.6 | 4.93 | 0.6290 | 0.5319 | 0.6576 |
| | 515112 | 7.6 | 9.0 | 6.27 | 0.5108 | 0.4519 | 0.5745 |
| | 515113 | 9.0 | 14.0 | 11.22 | 0.3913 | 0.3743 | 0.4871 |
| | 415113 | 14.0 | 22.0 | 17.55 | 0.4471 | 0.4196 | 0.5276 |
| | 315113 | 22.0 | 35.0 | 27.75 | 0.5043 | 0.4664 | 0.5678 |
| | 215113 | 35.0 | 50.0 | 41.83 | 0.5613 | 0.5137 | 0.6071 |
| | 214112 | 50.0 | 56.0 | 52.91 | 0.6902 | 0.6162 | 0.7029 |
| | 114112 | 56.0 | 67.0 | 61.25 | 0.7370 | 0.6599 | 0.7356 |
| | 11[illegible]11 | 67.0 | 92.0 | 78.51 | 0.8196 | 0.7279 | 0.7983 |
| | 124111 | 92.0 | 110.0 | 100.60 | 0.7291 | 0.6545 | 0.7217 |
| | 134111 | 110.0 | 160.0 | 132.66 | 0.6142 | 0.5730 | 0.6295 |
| | 134121 | 160.0 | 180.0 | 169.71 | 0.5556 | 0.5491 | 0.6170 |
| | 234121 | 180.0 | 190.0 | 184.93 | 0.4987 | 0.5018 | 0.5780 |
| | 235121 | 190.0 | 200.0 | 194.94 | 0.4813 | 0.4774 | 0.5599 |
| | 235131 | 200.0 | 260.0 | 226.04 | 0.4217 | 0.4532 | 0.5469 |
| | 325232 | 260.0 | 320.0 | 288.44 | 0.3377 | 0.3804 | 0.4705 |
| | 315343 | 320.0 | 360.0 | 339.41 | 0.2605 | 0.3328 | 0.4219 |
| | 415343 | 360.0 | 410.0 | 384.19 | 0.2188 | 0.2921 | 0.3829 |
| | 415344 | 410.0 | 460.0 | 434.28 | 0.1471 | 0.2304 | 0.3037 |
| | 515354 | 460.0 | 520.0 | 489.08 | 0.0973 | 0.1835 | 0.2602 |
| 1100- 1500 | 211111 | 0.7 | 0.9 | 0.79 | 0.8168 | 0.7479 | 0.8076 |
| | 311111 | 0.9 | 1.0 | 0.95 | 0.7800 | 0.7105 | 0.7611 |
| | 312111 | 1.0 | 1.3 | 1.14 | 0.7678 | 0.6900 | 0.7682 |
| | 413111 | 1.3 | 1.7 | 1.49 | 0.7102 | 0.6254 | 0.7236 |
| | 514111 | 1.7 | 2.3 | 1.98 | 0.6451 | 0.5561 | 0.6740 |
| | 515111 | 2.3 | 5.3 | 3.49 | 0.6290 | 0.5319 | 0.6576 |
| | 515221 | 5.3 | 5.7 | 5.50 | 0.5295 | 0.4740 | 0.5950 |
| | 515222 | 5.7 | 8.0 | 6.75 | 0.4094 | 0.3954 | 0.5082 |
| | 515223 | 8.0 | 16.0 | 11.31 | 0.2992 | 0.3217 | 0.4208 |
| | 415223 | 16.0 | 25.0 | 20.00 | 0.3493 | 0.3644 | 0.4608 |
| | 315223 | 25.0 | 27.0 | 25.98 | 0.4031 | 0.4094 | 0.5013 |
| | 315113 | 27.0 | 40.0 | 32.86 | 0.5043 | 0.4664 | 0.5678 |
| | 215113 | 40.0 | 50.0 | 44.72 | 0.5613 | 0.5137 | 0.6071 |
| | 214113 | 50.0 | 66.0 | 57.45 | 0.5784 | 0.5381 | 0.6246 |
| | 114112 | 66.0 | 80.0 | 72.66 | 0.7370 | 0.6599 | 0.7356 |
| | 124112 | 80.0 | 92.0 | 85.79 | 0.6237 | 0.5789 | 0.6458 |
| | 134112 | 92.0 | 110.0 | 100.60 | 0.4951 | 0.4933 | 0.5443 |
| | 144112 | 110.0 | 120.0 | 114.89 | 0.3672 | 0.4062 | 0.4391 |
| | 144122 | 120.0 | 140.0 | 129.61 | 0.3132 | 0.3849 | 0.4261 |
| | 145132 | 140.0 | 160.0 | 149.67 | 0.2505 | 0.3399 | 0.3954 |
| | 245232 | 160.0 | 210.0 | 183.30 | 0.1833 | 0.2713 | 0.3097 |
| | 345342 | 210.0 | 260.0 | 233.67 | 0.1059 | 0.1964 | 0.2259 |
| | 445443 | 260.0 | 300.0 | 279.29 | 0.0467 | 0.1136 | 0.1234 |
| | 454454 | 300.0 | 340.0 | 319.37 | 0.0148 | 0.0618 | 0.0621 |
| | 545454 | 340.0 | 420.0 | 377.89 | 0.0185 | 0.0652 | 0.0739 |

Table I.2. Initial performance data, FDC (Concluded).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | FIRE DIRECTION OFFICER | HORIZONTAL CONTROL OPERATOR | COMPUTER |
|---|---|---|---|---|---|---|---|
| 1500- 3000 | 211111 | 0.4 | 0.6 | 0.52 | 0.8166 | 0.7479 | 0.8076 |
| | 311111 | 0.6 | 0.8 | 0.71 | 0.7800 | 0.7105 | 0.7811 |
| | 412111 | 0.8 | 1.1 | 0.96 | 0.7244 | 0.6480 | 0.7381 |
| | 513111 | 1.1 | 1.4 | 1.24 | 0.6609 | 0.5801 | 0.6900 |
| | 514111 | 1.4 | 1.8 | 1.59 | 0.6451 | 0.5561 | 0.6740 |
| | 515211 | 1.8 | 2.3 | 2.03 | 0.5888 | 0.4983 | 0.6077 |
| | 515321 | 2.3 | 2.7 | 2.49 | 0.4874 | 0.4407 | 0.5425 |
| | 515331 | 2.7 | 5.4 | 3.82 | 0.4276 | 0.4169 | 0.5293 |
| | 515332 | 5.4 | 6.6 | 5.97 | 0.3151 | 0.3415 | 0.4416 |
| | 515333 | 6.6 | 8.0 | 7.27 | 0.2208 | 0.2734 | 0.3574 |
| | 515334 | 8.0 | 20.0 | 12.65 | 0.1486 | 0.2144 | 0.2811 |
| | 415334 | 20.0 | 24.0 | 21.91 | 0.1800 | 0.2481 | 0.3150 |
| | 415324 | 24.0 | 32.0 | 27.71 | 0.2184 | 0.2667 | 0.3266 |
| | 315314 | 32.0 | 50.0 | 40.00 | 0.3090 | 0.3264 | 0.3755 |
| | 314414 | 50.0 | 72.0 | 60.00 | 0.2883 | 0.3164 | 0.3431 |
| | 324513 | 72.0 | 86.0 | 78.69 | 0.2474 | 0.2850 | 0.2620 |
| | 334513 | 86.0 | 96.0 | 90.86 | 0.1626 | 0.2202 | 0.2046 |
| | 344413 | 96.0 | 110.0 | 102.76 | 0.1199 | 0.1862 | 0.1726 |
| | 354523 | 110.0 | 140.0 | 124.10 | 0.0508 | 0.1139 | 0.0946 |
| | 355533 | 140.0 | 170.0 | 154.27 | 0.0377 | 0.0957 | 0.0845 |
| | 455543 | 170.0 | 220.0 | 193.39 | 0.0239 | 0.0735 | 0.0693 |
| | 555554 | 220.0 | 270.0 | 243.72 | 0.0000 | 0.0000 | 0.0000 |
| | 555555 | 270.0 | 300.0 | 284.61 | 0.0000 | 0.0000 | 0.0000 |
| 3000- 4500 | 211111 | 0.3 | 0.4 | 0.32 | 0.8168 | 0.7479 | 0.8076 |
| | 311111 | 0.4 | 0.5 | 0.42 | 0.7800 | 0.7105 | 0.7811 |
| | 411111 | 0.5 | 0.6 | 0.52 | 0.7381 | 0.6700 | 0.7521 |
| | 412111 | 0.6 | 0.7 | 0.61 | 0.7244 | 0.6480 | 0.7381 |
| | 513111 | 0.7 | 0.8 | 0.71 | 0.6609 | 0.5801 | 0.6900 |
| | 514111 | 0.8 | 0.8 | 0.80 | 0.6451 | 0.5561 | 0.6740 |
| | 514211 | 0.8 | 0.9 | 0.87 | 0.6056 | 0.5227 | 0.6252 |
| | 515211 | 0.9 | 1.1 | 0.99 | 0.5888 | 0.4983 | 0.6077 |
| | 515321 | 1.1 | 1.3 | 1.20 | 0.4874 | 0.4407 | 0.5425 |
| | 515431 | 1.3 | 2.7 | 1.87 | 0.3870 | 0.3846 | 0.4757 |
| | 535431 | 2.7 | 4.2 | 3.37 | 0.1810 | 0.2387 | 0.2803 |
| | 535432 | 4.2 | 5.0 | 4.58 | 0.1198 | 0.1853 | 0.2150 |
| | 535433 | 5.0 | 5.6 | 5.29 | 0.0773 | 0.1417 | 0.1615 |
| | 515434 | 5.6 | 6.6 | 6.08 | 0.1285 | 0.1927 | 0.2398 |
| | 515435 | 6.6 | 26.0 | 13.10 | 0.0833 | 0.1476 | 0.1816 |
| | 515425 | 26.0 | 30.0 | 27.93 | 0.1036 | 0.1602 | 0.1896 |
| | 515525 | 30.0 | 33.0 | 31.46 | 0.0889 | 0.1430 | 0.1588 |
| | 515515 | 33.0 | 55.0 | 42.60 | 0.1105 | 0.1553 | 0.1660 |
| | 535515 | 55.0 | 70.0 | 62.05 | 0.0417 | 0.0845 | 0.0787 |
| | 555515 | 70.0 | 91.0 | 79.81 | 0.0150 | 0.0442 | 0.0354 |
| | 555525 | 91.0 | 110.0 | 100.05 | 0.0118 | 0.0403 | 0.0336 |
| | 555535 | 110.0 | 120.0 | 114.69 | 0.0000 | 0.0000 | 0.0000 |

Table I.3. Initial performance data, tank crew.

| DOSE-RANGE RADS (CGY) | | SYMPTOM COMPLEX | TIME-RANGE | | TIME | TANK COMMANDER | GUNNER | LOADER | DRIVER |
|---|---|---|---|---|---|---|---|---|---|
| 75- | 150 | 211111 | 5.0 | 18.0 | 9.49 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| 150- | 300 | 211111 | 3.4 | 4.5 | 3.91 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | | 311111 | 4.5 | 5.0 | 4.74 | 0.8004 | 0.8501 | 0.7719 | 0.8494 |
| | | 312111 | 5.0 | 6.0 | 5.48 | 0.7597 | 0.8252 | 0.7148 | 0.8054 |
| | | 412111 | 6.0 | 6.8 | 6.39 | 0.6995 | 0.7762 | 0.6667 | 0.7702 |
| | | 413111 | 6.8 | 12.0 | 9.03 | 0.6477 | 0.7428 | 0.5969 | 0.7110 |
| | | 313111 | 12.0 | 16.0 | 13.86 | 0.7137 | 0.7971 | 0.6496 | 0.7523 |
| | | 213111 | 16.0 | 21.0 | 18.33 | 0.7717 | 0.8424 | 0.6992 | 0.7895 |
| | | 113111 | 21.0 | 40.0 | 28.98 | 0.8209 | 0.8791 | 0.7445 | 0.8224 |
| | | 112111 | 40.0 | 540.0 | 146.97 | 0.8532 | 0.8973 | 0.7974 | 0.8632 |
| | | 112121 | 540.0 | 1060.0 | 756.57 | 0.8477 | 0.9002 | 0.7964 | 0.8617 |
| 300- | 530 | 211111 | 1.8 | 2.7 | 2.20 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | | 311111 | 2.7 | 3.5 | 3.07 | 0.8004 | 0.8501 | 0.7719 | 0.8494 |
| | | 312111 | 3.5 | 3.9 | 3.69 | 0.7597 | 0.8252 | 0.7148 | 0.8054 |
| | | 412111 | 3.9 | 4.6 | 4.24 | 0.6999 | 0.7762 | 0.6667 | 0.7702 |
| | | 413111 | 4.6 | 6.6 | 5.51 | 0.6477 | 0.7428 | 0.5969 | 0.7110 |
| | | 414111 | 6.6 | 13.0 | 9.26 | 0.5917 | 0.7062 | 0.5230 | 0.6435 |
| | | 314112 | 13.0 | 22.0 | 16.91 | 0.5495 | 0.6548 | 0.4495 | 0.5895 |
| | | 214112 | 22.0 | 35.0 | 27.75 | 0.6232 | 0.7207 | 0.5057 | 0.6394 |
| | | 114112 | 35.0 | 40.0 | 37.42 | 0.6916 | 0.7784 | 0.5617 | 0.6864 |
| | | 114111 | 40.0 | 45.0 | 42.43 | 0.7632 | 0.8583 | 0.6632 | 0.7726 |
| | | 113111 | 45.0 | 320.0 | 120.00 | 0.8209 | 0.8791 | 0.7445 | 0.8224 |
| | | 114111 | 320.0 | 360.0 | 339.41 | 0.7632 | 0.8583 | 0.6632 | 0.7726 |
| | | 114121 | 360.0 | 450.0 | 402.49 | 0.7757 | 0.8621 | 0.6819 | 0.7704 |
| | | 114131 | 450.0 | 780.0 | 592.45 | 0.7680 | 0.8659 | 0.6806 | 0.7682 |
| | | 134131 | 780.0 | 1080.0 | 917.82 | 0.5495 | 0.6660 | 0.4647 | 0.5460 |
| 530- | 830 | 211111 | 1.2 | 1.7 | 1.43 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | | 311111 | 1.7 | 2.4 | 2.02 | 0.8004 | 0.8501 | 0.7719 | 0.8494 |
| | | 411111 | 2.4 | 2.7 | 2.55 | 0.7473 | 0.8065 | 0.7296 | 0.8204 |
| | | 412111 | 2.7 | 3.3 | 2.96 | 0.6999 | 0.7762 | 0.6667 | 0.7702 |
| | | 512111 | 3.3 | 3.5 | 3.37 | 0.6323 | 0.7183 | 0.6148 | 0.7308 |
| | | 513111 | 3.5 | 4.8 | 4.10 | 0.5755 | 0.6797 | 0.5417 | 0.6658 |
| | | 514111 | 4.8 | 10.0 | 6.93 | 0.5166 | 0.6385 | 0.4667 | 0.5938 |
| | | 414112 | 10.0 | 16.0 | 12.65 | 0.4735 | 0.5823 | 0.3945 | 0.5377 |
| | | 314112 | 16.0 | 26.0 | 20.40 | 0.5495 | 0.6548 | 0.4495 | 0.5895 |
| | | 214112 | 26.0 | 45.0 | 34.21 | 0.6232 | 0.7207 | 0.5057 | 0.6394 |
| | | 113112 | 45.0 | 50.0 | 47.43 | 0.7399 | 0.8085 | 0.6339 | 0.7489 |
| | | 113111 | 50.0 | 190.0 | 97.47 | 0.8209 | 0.8791 | 0.7445 | 0.8224 |
| | | 113121 | 190.0 | 250.0 | 217.95 | 0.8143 | 0.8825 | 0.7433 | 0.8206 |
| | | 114121 | 250.0 | 280.0 | 264.58 | 0.7757 | 0.8621 | 0.6819 | 0.7704 |
| | | 114131 | 280.0 | 410.0 | 338.82 | 0.7680 | 0.8659 | 0.6806 | 0.7682 |
| | | 214131 | 410.0 | 520.0 | 461.74 | 0.7094 | 0.8260 | 0.6297 | 0.7286 |
| | | 314133 | 520.0 | 630.0 | 572.36 | 0.4095 | 0.5398 | 0.3239 | 0.4744 |
| | | 424133 | 630.0 | 760.0 | 691.95 | 0.2369 | 0.3249 | 0.1962 | 0.3058 |
| | | 434143 | 760.0 | 910.0 | 831.62 | 0.1526 | 0.2172 | 0.1341 | 0.2076 |
| | | 444153 | 910.0 | 1080.0 | 991.36 | 0.0949 | 0.1379 | 0.0895 | 0.1349 |

Table I.3. Initial performance data, tank crew (Continued).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | TANK COMMANDER | GUNNER | LOADER | DRIVER |
|---|---|---|---|---|---|---|---|---|
| 830- 1100 | 211111 | 0.9 | 1.3 | 1.08 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | 311111 | 1.3 | 1.4 | 1.35 | 0.8004 | 0.8501 | 0.7719 | 0.6494 |
| | 312111 | 1.4 | 1.8 | 1.59 | 0.7597 | 0.8252 | 0.7148 | 0.8054 |
| | 413111 | 1.8 | 2.5 | 2.12 | 0.6477 | 0.7428 | 0.5969 | 0.7110 |
| | 514111 | 2.5 | 3.2 | 2.83 | 0.5166 | 0.6385 | 0.4667 | 0.5938 |
| | 515111 | 3.2 | 7.6 | 4.93 | 0.4573 | 0.5952 | 0.3931 | 0.5176 |
| | 515112 | 7.6 | 9.0 | 6.27 | 0.3434 | 0.4603 | 0.2780 | 0.4087 |
| | 515113 | 9.0 | 14.0 | 11.22 | 0.2450 | 0.3309 | 0.1862 | 0.3062 |
| | 415113 | 14.0 | 22.0 | 17.55 | 0.3056 | 0.4023 | 0.2228 | 0.3548 |
| | 315113 | 22.0 | 35.0 | 27.75 | 0.3737 | 0.4780 | 0.2643 | 0.4044 |
| | 215113 | 35.0 | 50.0 | 41.83 | 0.4473 | 0.5548 | 0.3104 | 0.4560 |
| | 214112 | 50.0 | 56.0 | 52.91 | 0.6232 | 0.7207 | 0.5057 | 0.6394 |
| | 114112 | 56.0 | 67.0 | 61.25 | 0.6916 | 0.7764 | 0.5617 | 0.6864 |
| | 114111 | 67.0 | 92.0 | 78.51 | 0.7832 | 0.8583 | 0.6632 | 0.7726 |
| | 124111 | 92.0 | 110.0 | 100.60 | 0.6868 | 0.7717 | 0.5793 | 0.6718 |
| | 134111 | 110.0 | 160.0 | 132.66 | 0.5711 | 0.6536 | 0.4678 | 0.5521 |
| | 134121 | 160.0 | 180.0 | 169.71 | 0.5603 | 0.6608 | 0.4663 | 0.5491 |
| | 234121 | 180.0 | 190.0 | 184.93 | 0.4845 | 0.5888 | 0.4108 | 0.4965 |
| | 235121 | 190.0 | 200.0 | 194.94 | 0.4256 | 0.5438 | 0.3404 | 0.4199 |
| | 235131 | 200.0 | 260.0 | 226.04 | 0.4147 | 0.5518 | 0.3391 | 0.4169 |
| | 325232 | 260.0 | 320.0 | 286.44 | 0.3089 | 0.4319 | 0.2412 | 0.3398 |
| | 315343 | 320.0 | 360.0 | 339.41 | 0.2677 | 0.3975 | 0.1970 | 0.3113 |
| | 415343 | 360.0 | 410.0 | 384.19 | 0.2124 | 0.3265 | 0.1637 | 0.2660 |
| | 415344 | 410.0 | 460.0 | 434.23 | 0.1434 | 0.2195 | 0.1042 | 0.1909 |
| | 515354 | 460.0 | 520.0 | 489.08 | 0.1056 | 0.1759 | 0.0645 | 0.1568 |
| 1100- 1500 | 211111 | 0.7 | 0.9 | 0.79 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | 311111 | 0.9 | 1.0 | 0.95 | 0.8004 | 0.6501 | 0.7719 | 0.8494 |
| | 312111 | 1.0 | 1.3 | 1.14 | 0.7597 | 0.8252 | 0.7148 | 0.8054 |
| | 413111 | 1.3 | 1.7 | 1.49 | 0.6477 | 0.7428 | 0.5969 | 0.7110 |
| | 514111 | 1.7 | 2.3 | 1.98 | 0.5166 | 0.6385 | 0.4667 | 0.5938 |
| | 515111 | 2.3 | 5.3 | 3.49 | 0.4573 | 0.5952 | 0.3931 | 0.5176 |
| | 515221 | 5.3 | 5.7 | 5.50 | 0.4026 | 0.5512 | 0.3494 | 0.4683 |
| | 515222 | 5.7 | 8.0 | 6.75 | 0.2950 | 0.4160 | 0.2419 | 0.3621 |
| | 515223 | 8.0 | 16.0 | 11.31 | 0.2061 | 0.2923 | 0.1594 | 0.2678 |
| | 415223 | 16.0 | 25.0 | 20.00 | 0.2604 | 0.3598 | 0.1920 | 0.3110 |
| | 315223 | 25.0 | 27.0 | 25.98 | 0.3232 | 0.4334 | 0.2294 | 0.3579 |
| | 315113 | 27.0 | 40.0 | 32.66 | 0.3737 | 0.4780 | 0.2643 | 0.4044 |
| | 215113 | 40.0 | 50.0 | 44.72 | 0.4473 | 0.5548 | 0.3104 | 0.4560 |
| | 214113 | 50.0 | 66.0 | 57.45 | 0.5055 | 0.5995 | 0.3781 | 0.5332 |
| | 114112 | 66.0 | 80.0 | 72.66 | 0.6916 | 0.7764 | 0.5617 | 0.6864 |
| | 124112 | 80.0 | 92.0 | 85.79 | 0.5765 | 0.6622 | 0.4500 | 0.5667 |
| | 134112 | 92.0 | 110.0 | 100.60 | 0.4525 | 0.5225 | 0.3431 | 0.4427 |
| | 144112 | 110.0 | 120.0 | 114.69 | 0.3341 | 0.3792 | 0.2501 | 0.3236 |
| | 144122 | 120.0 | 140.0 | 129.61 | 0.3244 | 0.3868 | 0.2489 | 0.3209 |
| | 145132 | 140.0 | 160.0 | 149.67 | 0.2659 | 0.3516 | 0.1960 | 0.2552 |
| | 245232 | 160.0 | 210.0 | 183.30 | 0.1826 | 0.2437 | 0.1397 | 0.1874 |
| | 345342 | 210.0 | 260.0 | 233.67 | 0.1164 | 0.1652 | 0.0970 | 0.1329 |
| | 445443 | 260.0 | 300.0 | 279.29 | 0.0480 | 0.0638 | 0.0408 | 0.0624 |
| | 454454 | 300.0 | 340.0 | 319.37 | 0.0225 | 0.0267 | 0.0212 | 0.0336 |
| | 545454 | 340.0 | 420.0 | 377.69 | 0.0216 | 0.0291 | 0.0196 | 0.0351 |

Table I.3. Initial performance data, tank crew (Concluded).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | TANK COMMANDER | GUNNER | LOADER | DRIVER |
|---|---|---|---|---|---|---|---|---|
| 1500- 3000 | 211111 | 0.4 | 0.6 | 0.52 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | 311111 | 0.6 | 0.8 | 0.71 | 0.8004 | 0.8501 | 0.7719 | 0.8494 |
| | 412111 | 0.8 | 1.1 | 0.96 | 0.6999 | 0.7762 | 0.6667 | 0.7702 |
| | 513111 | 1.1 | 1.4 | 1.24 | 0.5755 | 0.6797 | 0.5417 | 0.6658 |
| | 514111 | 1.4 | 1.8 | 1.59 | 0.5166 | 0.6385 | 0.4667 | 0.5938 |
| | 515211 | 1.6 | 2.3 | 2.03 | 0.4132 | 0.5432 | 0.3508 | 0.4714 |
| | 515321 | 2.3 | 2.7 | 2.49 | 0.3604 | 0.4983 | 0.3094 | 0.4227 |
| | 515331 | 2.7 | 5.4 | 3.62 | 0.3503 | 0.5064 | 0.3081 | 0.4196 |
| | 515332 | 5.4 | 6.6 | 5.97 | 0.2508 | 0.3730 | 0.2092 | 0.3178 |
| | 515333 | 6.6 | 8.0 | 7.27 | 0.1720 | 0.2565 | 0.1359 | 0.2309 |
| | 515334 | 8.0 | 20.0 | 12.65 | 0.1142 | 0.1667 | 0.0854 | 0.1621 |
| | 415334 | 20.0 | 24.0 | 21.91 | 0.1488 | 0.2140 | 0.1046 | 0.1928 |
| | 415324 | 24.0 | 32.0 | 27.71 | 0.1545 | 0.2086 | 0.1054 | 0.1947 |
| | 315314 | 32.0 | 50.0 | 40.00 | 0.2056 | 0.2578 | 0.1293 | 0.2321 |
| | 314414 | 50.0 | 72.0 | 60.00 | 0.2153 | 0.2524 | 0.1433 | 0.2550 |
| | 324513 | 72.0 | 86.0 | 78.69 | 0.1833 | 0.2081 | 0.1304 | 0.2101 |
| | 334513 | 86.0 | 96.0 | 90.86 | 0.1199 | 0.1279 | 0.0874 | 0.1381 |
| | 344413 | 96.0 | 110.0 | 102.76 | 0.0900 | 0.0919 | 0.0682 | 0.1040 |
| | 354523 | 110.0 | 140.0 | 124.10 | 0.0456 | 0.0451 | 0.0373 | 0.0543 |
| | 355533 | 140.0 | 170.0 | 154.27 | 0.0350 | 0.0390 | 0.0277 | 0.0400 |
| | 455543 | 170.0 | 220.0 | 193.39 | 0.0250 | 0.0299 | 0.0221 | 0.0322 |
| | 555554 | 220.0 | 270.0 | 243.72 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| | 555555 | 270.0 | 300.0 | 284.61 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3000- 4500 | 211111 | 0.3 | 0.4 | 0.32 | 0.8447 | 0.8853 | 0.8092 | 0.8744 |
| | 311111 | 0.4 | 0.5 | 0.42 | 0.8004 | 0.8501 | 0.7719 | 0.8494 |
| | 411111 | 0.5 | 0.6 | 0.52 | 0.7473 | 0.8065 | 0.7298 | 0.8204 |
| | 412111 | 0.6 | 0.7 | 0.61 | 0.6999 | 0.7762 | 0.6667 | 0.7702 |
| | 513111 | 0.7 | 0.8 | 0.71 | 0.5755 | 0.6797 | 0.5417 | 0.6658 |
| | 514111 | 0.8 | 0.8 | 0.80 | 0.5166 | 0.6385 | 0.4667 | 0.5938 |
| | 514211 | 0.8 | 0.9 | 0.87 | 0.4718 | 0.5883 | 0.4219 | 0.5486 |
| | 515211 | 0.9 | 1.1 | 0.99 | 0.4132 | 0.5432 | 0.3508 | 0.4714 |
| | 515321 | 1.1 | 1.3 | 1.20 | 0.3604 | 0.4983 | 0.3094 | 0.4227 |
| | 515431 | 1.3 | 2.7 | 1.87 | 0.3107 | 0.4535 | 0.2708 | 0.3754 |
| | 535431 | 2.7 | 4.2 | 3.37 | 0.1425 | 0.2054 | 0.1315 | 0.1790 |
| | 535432 | 4.2 | 5.0 | 4.58 | 0.0935 | 0.1304 | 0.0825 | 0.1232 |
| | 535433 | 5.0 | 5.6 | 5.29 | 0.0602 | 0.0800 | 0.0507 | 0.0830 |
| | 515434 | 5.6 | 6.6 | 6.08 | 0.0973 | 0.1393 | 0.0723 | 0.1365 |
| | 515435 | 6.6 | 26.0 | 13.10 | 0.0627 | 0.0858 | 0.0443 | 0.0939 |
| | 515425 | 26.0 | 30.0 | 27.93 | 0.0653 | 0.0833 | 0.0445 | 0.0949 |
| | 515525 | 30.0 | 33.0 | 31.46 | 0.0552 | 0.0685 | 0.0374 | 0.0802 |
| | 515515 | 33.0 | 55.0 | 42.60 | 0.0575 | 0.0665 | 0.0376 | 0.0811 |
| | 535515 | 55.0 | 70.0 | 62.05 | 0.0220 | 0.0217 | 0.0157 | 0.0310 |
| | 555515 | 70.0 | 91.0 | 79.81 | 0.0082 | 0.0069 | 0.0065 | 0.0115 |
| | 555525 | 91.0 | 110.0 | 100.05 | 0.0079 | 0.0071 | 0.0064 | 0.0113 |
| | 555535 | 110.0 | 120.0 | 114.89 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Table I.4. Initial performance data, TCW crew.

| DOSE-RANGE RADS (CGY) | | SYMPTOM COMPLEX | TIME-RANGE | | TIME | SQUAD LEADER | GUNNER | DRIVER | LOADER |
|---|---|---|---|---|---|---|---|---|---|
| 75- | 150 | 211111 | 5.0 | 18.0 | 9.49 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| 150- | 300 | 211111 | 3.4 | 4.5 | 3.91 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| | | 311111 | 4.5 | 5.0 | 4.74 | 0.8435 | 0.7937 | 0.9315 | 0.8535 |
| | | 312111 | 5.0 | 6.0 | 5.48 | 0.7884 | 0.7251 | 0.8932 | 0.7755 |
| | | 412111 | 6.0 | 6.8 | 6.39 | 0.7477 | 0.6742 | 0.8676 | 0.7288 |
| | | 413111 | 6.8 | 12.0 | 9.03 | 0.6721 | 0.5865 | 0.8012 | 0.6142 |
| | | 313111 | 12.0 | 16.0 | 13.66 | 0.7205 | 0.6439 | 0.8373 | 0.6718 |
| | | 213111 | 16.0 | 21.0 | 18.33 | 0.7043 | 0.6975 | 0.8579 | 0.7247 |
| | | 113111 | 21.0 | 40.0 | 28.98 | 0.8030 | 0.7461 | 0.8935 | 0.7719 |
| | | 112111 | 40.0 | 540.0 | 146.97 | 0.8550 | 0.8108 | 0.9317 | 0.8510 |
| | | 112121 | 540.0 | 1060.0 | 756.57 | 0.7987 | 0.7418 | 0.8913 | 0.7944 |
| 300- | 530 | 211111 | 1.8 | 2.7 | 2.20 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| | | 311111 | 2.7 | 3.5 | 3.07 | 0.8435 | 0.7937 | 0.9315 | 0.8535 |
| | | 312111 | 3.5 | 3.9 | 3.69 | 0.7884 | 0.7251 | 0.8932 | 0.7735 |
| | | 412111 | 3.9 | 4.6 | 4.24 | 0.7477 | 0.6742 | 0.8676 | 0.7288 |
| | | 413111 | 4.6 | 6.6 | 5.51 | 0.6721 | 0.5865 | 0.8012 | 0.6142 |
| | | 414111 | 6.6 | 13.0 | 9.26 | 0.5864 | 0.4930 | 0.7125 | 0.4854 |
| | | 314112 | 13.0 | 22.0 | 16.91 | 0.5177 | 0.4334 | 0.6317 | 0.3943 |
| | | 214112 | 22.0 | 35.0 | 27.75 | 0.5744 | 0.4937 | 0.6065 | 0.4556 |
| | | 114112 | 35.0 | 40.0 | 37.42 | 0.6293 | 0.5542 | 0.7366 | 0.5163 |
| | | 114111 | 40.0 | 45.0 | 42.43 | 0.7382 | 0.6683 | 0.8376 | 0.6672 |
| | | 113111 | 45.0 | 320.0 | 120.00 | 0.8030 | 0.7461 | 0.8935 | 0.7719 |
| | | 114111 | 320.0 | 360.0 | 339.41 | 0.7382 | 0.6683 | 0.8376 | 0.6672 |
| | | 114121 | 360.0 | 450.0 | 402.49 | 0.6549 | 0.5746 | 0.7562 | 0.5756 |
| | | 114131 | 450.0 | 760.0 | 592.45 | 0.5608 | 0.4751 | 0.6509 | 0.4765 |
| | | 134131 | 780.0 | 1080.0 | 917.82 | 0.4272 | 0.3620 | 0.5061 | 0.3505 |
| 530- | 830 | 211111 | 1.2 | 1.7 | 1.45 | 0.8714 | 0.8306 | 0.9456 | 0.6823 |
| | | 311111 | 1.7 | 2.4 | 2.02 | 0.8435 | 0.7937 | 0.9315 | 0.8536 |
| | | 411111 | 2.4 | 2.7 | 2.55 | 0.8108 | 0.7511 | 0.9142 | 0.8193 |
| | | 412111 | 2.7 | 3.3 | 2.96 | 0.7477 | 0.6742 | 0.8576 | 0.7288 |
| | | 512111 | 3.3 | 3.5 | 3.37 | 0.7021 | 0.6188 | [illegible] | 0.6764 |
| | | 513111 | 3.5 | 4.8 | 4.10 | 0.6190 | 0.5267 | 0.7594 | 0.5533 |
| | | 514111 | 4.8 | 10.0 | 6.93 | 0.5299 | 0.4327 | 0.6599 | 0.4232 |
| | | 414112 | 10.0 | 16.0 | 12.65 | 0.4605 | 0.3750 | 0.5733 | 0.3362 |
| | | 314112 | 16.0 | 26.0 | 20.40 | 0.5177 | 0.4334 | 0.6317 | 0.3943 |
| | | 214112 | 26.0 | 45.0 | 34.21 | 0.5744 | 0.4937 | 0.6866 | 0.4556 |
| | | 113112 | 45.0 | 50.0 | 47.43 | 0.7105 | 0.6445 | 0.8198 | 0.6449 |
| | | 113111 | 50.0 | 190.0 | 97.47 | 0.8030 | 0.7461 | 0.8935 | 0.7719 |
| | | 113121 | 190.0 | 250.0 | 217.95 | 0.7329 | 0.6633 | 0.8345 | 0.6959 |
| | | 114121 | 250.0 | 280.0 | 264.58 | 0.6549 | 0.5746 | 0.7562 | 0.5756 |
| | | 114131 | 280.0 | 410.0 | 336.82 | 0.5606 | 0.4751 | 0.6509 | 0.4765 |
| | | 214131 | 410.0 | 520.0 | 461.74 | 0.5036 | 0.4152 | 0.5936 | 0.4164 |
| | | 314133 | 520.0 | 630.0 | 572.36 | 0.2264 | 0.1749 | 0.2516 | 0.1379 |
| | | 424133 | 630.0 | 760.0 | 691.95 | 0.1510 | 0.1163 | 0.1633 | 0.0871 |
| | | 434143 | 760.0 | 910.0 | 831.62 | 0.0836 | 0.0653 | 0.0800 | 0.0471 |
| | | 444153 | 910.0 | 1080.0 | 991.36 | 0.0449 | 0.0358 | 0.0373 | 0.0250 |

Table I.4. Initial performance data, TOW crew (Continued).

| DOSE-RANGE RADS (CGY) | SYMP' )M COMPL | TIME-RANGE | | TIME | SQUAD LEADER | GUNNER | DRIVER | LOADER |
|---|---|---|---|---|---|---|---|---|
| 830- 1100 | 211111 | 0.9 | 1.3 | 1.08 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| | 311111 | 1.3 | 1.4 | 1.35 | 0.8435 | 0.7937 | 0.9315 | 0.8536 |
| | 312111 | 1.4 | 1.8 | 1.59 | 0.7884 | 0.7251 | 0.8932 | 0.7755 |
| | 413111 | 1.6 | 2.5 | 2.12 | 0.6721 | 0.5865 | 0.8012 | 0.6142 |
| | 514111 | 2.5 | 3.2 | 2.83 | 0.5299 | 0.4327 | 0.6599 | 0.4232 |
| | 515111 | 3.2 | 7.6 | 4.93 | 0.4381 | 0.3434 | 0.5441 | 0.3030 |
| | 515112 | 7.6 | 9.0 | 8.27 | 0.3194 | 0.2439 | 0.3929 | 0.1892 |
| | 515113 | 9.0 | 14.0 | 11.22 | 0.2203 | 0.1660 | 0.2597 | 0.1113 |
| | 415113 | 14.0 | 22.0 | 17.55 | 0.2622 | 0.2024 | 0.3094 | 0.1387 |
| | 315113 | 22.0 | 35.0 | 27.75 | 0.3089 | 0.2444 | 0.3639 | 0.1715 |
| | 215113 | 35.0 | 50.0 | 41.83 | 0.3596 | 0.2920 | 0.4221 | 0.2102 |
| | 214112 | 50.0 | 56.0 | 52.91 | 0.5744 | 0.4937 | 0.6866 | 0.4556 |
| | 114112 | 56.0 | 67.0 | 61.25 | 0.6293 | 0.5542 | 0.7366 | 0.5163 |
| | 114111 | 67.0 | 92.0 | 78.51 | 0.7382 | 0.6683 | 0.8376 | 0.6672 |
| | 124111 | 92.0 | 110.0 | 100.60 | 0.6830 | 0.6147 | 0.7927 | 0.6059 |
| | 134111 | 110.0 | 160.0 | 132.66 | 0.6222 | 0.5581 | 0.7392 | 0.5411 |
| | 134121 | 160.0 | 180.0 | 169.71 | 0.5257 | 0.4584 | 0.6302 | 0.4437 |
| | 234121 | 180.0 | 190.0 | 184.93 | 0.4685 | 0.3990 | 0.5717 | 0.3829 |
| | 235121 | 190.0 | 200.0 | 194.94 | 0.3787 | 0.3128 | 0.4508 | 0.2688 |
| | 235131 | 200.0 | 260.0 | 228.04 | 0.2909 | 0.2338 | 0.3304 | 0.1992 |
| | 325232 | 260.0 | 320.0 | 288.44 | 0.2130 | 0.1574 | 0.2430 | 0.1254 |
| | 315343 | 320.0 | 360.0 | 339.41 | 0.1312 | 0.0890 | 0.1382 | 0.0671 |
| | 415343 | 360.0 | 410.0 | 384.19 | 0.1072 | 0.0712 | 0.1116 | 0.0529 |
| | 415344 | 410.0 | 460.0 | 434.28 | 0.0674 | 0.0452 | 0.0637 | 0.0291 |
| | 515354 | 460.0 | 520.0 | 489.08 | 0.0373 | 0.0243 | 0.0311 | 0.0155 |
| 1100- 1500 | 211111 | 0.7 | 0.9 | 0.79 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| | 311111 | 0.9 | 1.0 | 0.95 | 0.8435 | 0.7937 | 0.9315 | 0.8536 |
| | 312111 | 1.0 | 1.3 | 1.14 | 0.7884 | 0.7251 | 0.8932 | 0.7755 |
| | 413111 | 1.3 | 1.7 | 1.49 | 0.6721 | 0.5865 | 0.8012 | 0.6142 |
| | 514111 | 1.7 | 2.3 | 1.98 | 0.5299 | 0.4327 | 0.6599 | 0.4232 |
| | 515111 | 2.3 | 5.3 | 3.49 | 0.4381 | 0.3434 | 0.5441 | 0.3030 |
| | 515221 | 5.3 | 5.7 | 5.50 | 0.3559 | 0.259[illegible] | 0.4490 | 0.2375 |
| | 515222 | 5.7 | 8.0 | 6.75 | 0.2496 | 0.1780 | 0.3064 | 0.1432 |
| | 515223 | 8.0 | 16.0 | 11.31 | 0.1666 | 0.1179 | 0.1933 | 0.0823 |
| | 415223 | 16.0 | 25.0 | 20.00 | 0.2012 | 0.1456 | 0.2342 | 0.1054 |
| | 315223 | 25.0 | 27.0 | 25.98 | 0.2405 | 0.1784 | 0.2809 | 0.1292 |
| | 315113 | 27.0 | 40.0 | 32.86 | 0.3089 | 0.2444 | 0.3639 | 0.1715 |
| | 215113 | 40.0 | 50.0 | 44.72 | 0.3598 | 0.2920 | 0.4221 | 0.2102 |
| | 214113 | 50.0 | 66.0 | 57.45 | 0.4483 | 0.3756 | 0.5429 | 0.3100 |
| | 114112 | 66.0 | 80.0 | 72.66 | 0.6293 | 0.5542 | 0.7366 | 0.5163 |
| | 124112 | 80.0 | 92.0 | 85.79 | 0.5647 | 0.4960 | 0.6746 | 0.4521 |
| | 134112 | 92.0 | 110.0 | 100.60 | 0.4979 | 0.4379 | 0.6058 | 0.3876 |
| | 144112 | 110.0 | 120.0 | 114.89 | 0.4311 | 0.3815 | 0.5326 | 0.3267 |
| | 144122 | 120.0 | 140.0 | 129.61 | 0.3377 | 0.2925 | 0.4065 | 0.2472 |
| | 145132 | 140.0 | 160.0 | 149.67 | 0.1918 | 0.1597 | 0.2021 | 0.1163 |
| | 245232 | 160.0 | 210.0 | 183.30 | 0.1656 | 0.1299 | 0.1838 | 0.0978 |
| | 345342 | 210.0 | 260.0 | 233.67 | 0.1007 | 0.0729 | 0.1075 | 0.0570 |
| | 445443 | 260.0 | 300.0 | 279.29 | 0.0534 | 0.0367 | 0.0549 | 0.0260 |
| | 454454 | 300.0 | 340.0 | 319.37 | 0.0246 | 0.0179 | 0.0223 | 0.0124 |
| | 545454 | 340.0 | 420.0 | 377.89 | 0.0179 | 0.0122 | 0.0146 | 0.0075 |

Table I.4. Initial performance data, TOW crew (Concluded).

| DOSE-RANGE RADS (CGY) | SYMPTOM COMPLEX | TIME-RANGE | | TIME | SQUAD LEADER | GUNNER | DRIVER | LOADER |
|---|---|---|---|---|---|---|---|---|
| 1500- 3000 | 211111 | 0.4 | 0.6 | 0.52 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| | 311111 | 0.6 | 0.8 | 0.71 | 0.8435 | 0.7937 | 0.9315 | 0.8536 |
| | 412111 | 0.8 | 1.1 | 0.96 | 0.7477 | 0.6742 | 0.8676 | 0.7283 |
| | 513111 | 1.1 | 1.4 | 1.24 | 0.6198 | 0.5267 | 0.7594 | 0.5533 |
| | 514111 | 1.4 | 1.8 | 1.59 | 0.5299 | 0.4327 | 0.6599 | 0.4232 |
| | 515211 | 1.8 | 2.3 | 2.03 | 0.4509 | 0.3437 | 0.5755 | 0.3153 |
| | 515321 | 2.3 | 2.7 | 2.49 | 0.3678 | 0.2601 | 0.4807 | 0.2481 |
| | 515331 | 2.7 | 5.4 | 3.82 | 0.2814 | 0.1907 | 0.3575 | 0.1824 |
| | 515332 | 5.4 | 6.6 | 5.97 | 0.1908 | 0.1269 | 0.2318 | 0.1070 |
| | 515333 | 6.6 | 8.0 | 7.27 | 0.1243 | 0.0823 | 0.1406 | 0.0604 |
| | 515334 | 8.0 | 20.0 | 12.65 | 0.0787 | 0.0524 | 0.0615 | 0.0334 |
| | 415334 | 20.0 | 24.0 | 21.91 | 0.0970 | 0.0659 | 0.1017 | 0.0425 |
| | 415324 | 24.0 | 32.0 | 27.71 | 0.1377 | 0.0952 | 0.1585 | 0.0615 |
| | 315314 | 32.0 | 50.0 | 40.00 | 0.2298 | 0.1668 | 0.2857 | 0.1108 |
| | 314414 | 50.0 | 72.0 | 60.00 | 0.3123 | 0.2263 | 0.4249 | 0.1822 |
| | 324513 | 72.0 | 86.0 | 78.69 | 0.3778 | 0.2732 | 0.5343 | 0.2521 |
| | 334513 | 86.0 | 96.0 | 90.86 | 0.3169 | 0.2293 | 0.4596 | 0.2054 |
| | 344413 | 96.0 | 110.0 | 102.76 | 0.2519 | 0.1904 | 0.3569 | 0.1577 |
| | 354523 | 110.0 | 140.0 | 124.10 | 0.1542 | 0.1111 | 0.2193 | 0.0932 |
| | 355533 | 140.0 | 170.0 | 154.27 | 0.0782 | 0.0543 | 0.0941 | 0.0396 |
| | 455543 | 170.0 | 220.0 | 193.39 | 0.0435 | 0.0293 | 0.0466 | 0.0212 |
| | 555554 | 220.0 | 270.0 | 243.72 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| | 555555 | 270.0 | 300.0 | 284.61 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3000- 4500 | 211111 | 0.3 | 0.4 | 0.32 | 0.8714 | 0.8306 | 0.9456 | 0.8823 |
| | 311111 | 0.4 | 0.5 | 0.42 | 0.8435 | 0.7937 | 0.9315 | 0.8536 |
| | 411111 | 0.5 | 0.6 | 0.52 | 0.8198 | 0.7511 | 0.9142 | 0.8193 |
| | 412111 | 0.6 | 0.7 | 0.61 | 0.7477 | 0.6742 | 0.8676 | 0.7288 |
| | 513111 | 0.7 | 0.9 | 0.71 | 0.6198 | 0.5267 | 0.7594 | 0.5563 |
| | 514111 | 0.8 | 0.8 | 0.80 | 0.5299 | 0.4327 | 0.6599 | 0.4232 |
| | 514211 | 0.8 | 0.9 | 0.87 | 0.5428 | 0.4331 | 0.6879 | 0.4373 |
| | 515211 | 0.9 | 1.1 | 0.99 | 0.4509 | 0.3437 | 0.5755 | 0.3153 |
| | 515321 | 1.1 | 1.3 | 1.20 | 0.3678 | 0.2601 | 0.4807 | 0.2481 |
| | 515431 | 1.3 | 2.7 | 1.87 | 0.2919 | 0.1910 | 0.3872 | 0.1912 |
| | 535431 | 2.7 | 4.2 | 3.37 | 0.1941 | 0.1289 | 0.2578 | 0.1220 |
| | 535432 | 4.2 | 5.0 | 4.58 | 0.1266 | 0.0836 | 0.1584 | 0.0694 |
| | 535433 | 5.0 | 5.6 | 5.29 | 0.0803 | 0.0533 | 0.0926 | 0.0365 |
| | 515434 | 5.6 | 6.6 | 6.08 | 0.0825 | 0.0525 | 0.0915 | 0.0353 |
| | 515435 | 6.6 | 26.0 | 13.10 | 0.0514 | 0.0331 | 0.0518 | 0.0192 |
| | 515425 | 26.0 | 30.0 | 27.93 | 0.0745 | 0.0485 | 0.0833 | 0.0282 |
| | 515525 | 30.0 | 33.0 | 31.46 | 0.0781 | 0.0486 | 0.0935 | 0.0298 |
| | 515515 | 33.0 | 55.0 | 42.60 | 0.1118 | 0.0708 | 0.1465 | 0.0434 |
| | 535515 | 55.0 | 70.0 | 62.05 | 0.0685 | 0.0456 | 0.0862 | 0.0260 |
| | 555515 | 70.0 | 91.0 | 79.81 | 0.0412 | 0.0291 | 0.0493 | 0.0155 |
| | 555525 | 91.0 | 110.0 | 100.05 | 0.0281 | 0.0197 | 0.0302 | 0.0105 |
| | 555535 | 110.0 | 120.0 | 114.89 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Appendix J

CREWMEMBER DOSE/TIME PERFORMANCE DATA

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Table J.1. Performance data for gun crew: chief of section.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.7262 | 0.6491 | 0.5677 | 0.4637 | 0.3972 | 0.2947 | 0.2577 | 0.2187 | 0.1710 | 0.1302 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9772 | 0.7463 | 0.6305 | 0.5756 | 0.4990 | 0.3988 | 0.3647 | 0.3202 | 0.2266 | 0.1875 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8463 | 0.6941 | 0.6446 | 0.5650 | 0.4770 | 0.4348 | 0.3811 | 0.2611 | 0.2449 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9184 | 0.6647 | 0.6159 | 0.5395 | 0.4749 | 0.4073 | 0.3345 | 0.3136 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7555 | 0.6691 | 0.6018 | 0.5193 | 0.4390 | 0.3689 | 0.3604 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8155 | 0.6789 | 0.6230 | 0.5452 | 0.4662 | 0.4210 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8045 | 0.6781 | 0.6278 | 0.5653 | [illegible] |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7949 | 0.7080 | 0.6419 | 0.5746 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7928 | 0.6804 | 0.6337 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9664 | 0.7769 | 0.6959 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9657 | 0.7925 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9334 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1010 | 0.0686 | 0.0707 | 0.0608 | 0.0574 | 0.0468 | 0.0497 | 0.0553 | 0.0622 | 0.0647 | 0.0640 | 0.0741 | 0.0484 |
| 16 | 2729.55 | 3.44 | 0.1561 | 0.1233 | 0.1048 | 0.0762 | 0.0642 | 0.0585 | 0.0596 | 0.0670 | 0.0828 | 0.1051 | 0.1383 | 0.1410 | 0.1190 |
| 15 | 2118.81 | 3.33 | 0.2114 | 0.1780 | 0.1389 | 0.0915 | 0.0750 | 0.0702 | 0.0695 | 0.0787 | 0.1035 | 0.1457 | 0.1926 | 0.2079 | 0.2134 |
| 14 | 1644.72 | 3.22 | 0.2940 | 0.2552 | 0.1845 | 0.1252 | 0.1079 | 0.1051 | 0.1083 | 0.1250 | 0.1549 | 0.2172 | 0.2624 | 0.2890 | 0.3375 |
| 13 | 1276.71 | 3.11 | 0.3730 | 0.3310 | 0.2476 | 0.1660 | 0.1590 | 0.1530 | 0.1633 | 0.1655 | 0.2148 | 0.2854 | 0.3279 | 0.3701 | 0.4606 |
| 12 | 991.04 | 3.00 | 0.4039 | 0.3627 | 0.3403 | 0.2912 | 0.2326 | 0.2123 | 0.2328 | 0.2547 | 0.2779 | 0.3082 | 0.3352 | 0.4513 | 0.5543 |
| 11 | 769.29 | 2.89 | 0.4500 | 0.4325 | 0.4091 | 0.3794 | 0.3374 | 0.3172 | 0.3412 | 0.3656 | 0.3896 | 0.4143 | 0.4573 | 0.5484 | 0.6239 |
| 10 | 597.16 | 2.78 | 0.5071 | 0.4783 | 0.4609 | 0.4438 | 0.4255 | 0.3994 | 0.4163 | 0.4387 | 0.4647 | 0.4918 | 0.5531 | 0.6325 | 0.6650 |
| 9 | 463.54 | 2.67 | 0.5676 | 0.5213 | 0.5027 | 0.4859 | 0.4660 | 0.4393 | 0.4334 | 0.4456 | 0.4738 | 0.5062 | 0.5835 | 0.6745 | 0.6841 |
| 8 | 359.82 | 2.56 | 0.6225 | 0.5635 | 0.5332 | 0.5096 | 0.4929 | 0.4793 | 0.4623 | 0.4709 | 0.4992 | 0.5323 | 0.6157 | 0.6962 | 0.6999 |
| 7 | 279.31 | 2.45 | 0.6684 | 0.6069 | 0.5579 | 0.5248 | 0.5165 | 0.5211 | 0.5275 | 0.5497 | 0.5733 | 0.5992 | 0.6523 | 0.7101 | 0.7154 |
| 6 | 216.82 | 2.34 | 0.7143 | 0.6545 | 0.5625 | 0.5400 | 0.5401 | 0.5694 | 0.6092 | 0.6475 | 0.6717 | 0.6909 | 0.7082 | 0.7240 | 0.7309 |
| 5 | 168.30 | 2.23 | 0.9064 | 0.7842 | 0.6946 | 0.6068 | 0.5819 | 0.6428 | 0.6999 | 0.7496 | 0.8010 | 0.8248 | 0.8435 | 0.8588 | 0.8716 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9198 | 0.8150 | 0.7054 | 0.6531 | 0.7356 | 0.8054 | 0.8649 | 0.9315 | 0.9604 | 0.9843 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9331 | 0.8310 | 0.7752 | 0.8482 | 0.9359 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9729 | 0.9640 | 0.9757 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.1. Performance data for gun crew: chief of section (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0350 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1221 | 0.0411 | 0.0057 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2094 | 0.1302 | 0.0573 | 0.0342 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.3611 | 0.2442 | 0.1299 | 0.0866 | 0.0256 | 0.0026 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.5122 | 0.3662 | 0.2547 | 0.1518 | 0.1030 | 0.0547 | 0.0169 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.6397 | 0.5516 | 0.4703 | 0.3907 | 0.2628 | 0.1657 | 0.1209 | 0.0676 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.6766 | 0.6588 | 0.6281 | 0.5605 | 0.4900 | 0.4299 | 0.3571 | 0.3027 | 0.2600 | 0.0385 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.6850 | 0.6940 | 0.6900 | 0.6726 | 0.6578 | 0.6245 | 0.5594 | 0.4902 | 0.3871 | 0.2228 | 0.1567 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.6906 | 0.6944 | 0.6926 | 0.6858 | 0.6855 | 0.6783 | 0.6451 | 0.5452 | 0.4777 | 0.3784 | 0.2903 | 0.1735 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.6956 | 0.6938 | 0.6961 | 0.6980 | 0.6972 | 0.6940 | 0.6758 | 0.5937 | 0.5456 | 0.4910 | 0.4127 | 0.3373 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7047 | 0.7003 | 0.7014 | 0.7089 | 0.7069 | 0.7002 | 0.6856 | 0.6380 | 0.6079 | 0.5745 | 0.5287 | 0.4847 | 0.4450 |
| 6 | 216.82 | 2.34 | 0.7305 | 0.7309 | 0.7288 | 0.7252 | 0.7166 | 0.7065 | 0.6957 | 0.6822 | 0.6702 | 0.6579 | 0.6447 | 0.6321 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.8824 | 0.8910 | 0.8999 | 0.9065 | 0.9127 | 0.9197 | 0.9278 | 0.9368 | 0.9470 | 0.9583 | 0.9708 | 0.9847 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.01 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.2. Performance data for gun crew: gunner.

| GRID LINE | DOSE | LOG(DOSE) | 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.03 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8478 | 0.8012 | 0.7318 | 0.6468 | 0.5370 | 0.4417 | 0.3993 | 0.3482 | 0.2753 | 0.2303 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9935 | 0.8532 | 0.7753 | 0.7514 | 0.6683 | 0.5834 | 0.5366 | 0.4521 | 0.3447 | 0.3114 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9069 | 0.8193 | 0.7503 | 0.7308 | 0.6587 | 0.6055 | 0.5106 | 0.4141 | 0.3910 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9518 | 0.8119 | 0.7669 | 0.7024 | 0.6409 | 0.5580 | 0.4859 | 0.4704 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8522 | 0.8040 | 0.7465 | 0.6794 | 0.6085 | 0.5590 | 0.5414 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8887 | 0.8091 | 0.7614 | 0.7004 | 0.6328 | 0.5878 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8883 | 0.8030 | 0.7733 | 0.7286 | 0.6731 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8774 | 0.8325 | 0.7959 | 0.7432 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8677 | 0.8131 | 0.7811 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9917 | 0.8671 | 0.8211 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9796 | 0.8773 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9599 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1833 | 0.1273 | 0.1266 | 0.1097 | 0.0968 | 0.0854 | 0.0867 | 0.0916 | 0.0972 | 0.0892 | 0.1018 | 0.0875 | 0.0572 |
| 16 | 2729.55 | 3.44 | 0.2759 | 0.2299 | 0.1903 | 0.1429 | 0.1218 | 0.1111 | 0.1114 | 0.1195 | 0.1328 | 0.1442 | 0.1672 | 0.1670 | 0.1371 |
| 15 | 2118.81 | 3.33 | 0.3662 | 0.3236 | 0.2540 | 0.1761 | 0.1468 | 0.1369 | 0.1362 | 0.1475 | 0.1686 | 0.1994 | 0.2328 | 0.2465 | 0.2459 |
| 14 | 1644.72 | 3.22 | 0.4563 | 0.4157 | 0.3195 | 0.2305 | 0.2010 | 0.1949 | 0.1946 | 0.2194 | 0.2433 | 0.2964 | 0.3308 | 0.3554 | 0.4051 |
| 13 | 1276.71 | 3.11 | 0.5359 | 0.4941 | 0.3931 | 0.3119 | 0.2724 | 0.2616 | 0.2722 | 0.2928 | 0.3175 | 0.3881 | 0.4225 | 0.4631 | 0.5605 |
| 12 | 991.04 | 3.00 | 0.5650 | 0.5380 | 0.4905 | 0.4336 | 0.3599 | 0.3312 | 0.3479 | 0.3663 | 0.3848 | 0.4081 | 0.4281 | 0.5554 | 0.6424 |
| 11 | 769.29 | 2.89 | 0.6281 | 0.6003 | 0.5741 | 0.5383 | 0.4835 | 0.4546 | 0.4714 | 0.4888 | 0.5053 | 0.5220 | 0.5570 | 0.6482 | 0.7104 |
| 10 | 597.16 | 2.78 | 0.6893 | 0.6550 | 0.6310 | 0.6072 | 0.5806 | 0.5472 | 0.5554 | 0.5692 | 0.5859 | 0.6029 | 0.6536 | 0.7253 | 0.7537 |
| 9 | 463.54 | 2.67 | 0.7328 | 0.6896 | 0.6626 | 0.6403 | 0.6123 | 0.5822 | 0.5647 | 0.5732 | 0.5917 | 0.6120 | 0.6735 | 0.7596 | 0.7720 |
| 8 | 359.82 | 2.56 | 0.7669 | 0.7239 | 0.6898 | 0.6637 | 0.6408 | 0.6187 | 0.5965 | 0.5971 | 0.6145 | 0.6344 | 0.6958 | 0.7767 | 0.7838 |
| 7 | 279.31 | 2.45 | 0.7972 | 0.7581 | 0.7164 | 0.6851 | 0.6674 | 0.6608 | 0.6612 | 0.6715 | 0.6815 | 0.6955 | 0.7323 | 0.7880 | 0.7947 |
| 6 | 216.82 | 2.34 | 0.8275 | 0.7922 | 0.7429 | 0.7064 | 0.6941 | 0.7091 | 0.7314 | 0.7514 | 0.7636 | 0.7746 | 0.7860 | 0.7992 | 0.8057 |
| 5 | 168.30 | 2.23 | 0.9436 | 0.8699 | 0.8129 | 0.7549 | 0.7310 | 0.7682 | 0.8025 | 0.8315 | 0.8571 | 0.8726 | 0.8859 | 0.8974 | 0.9073 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9517 | 0.8870 | 0.8196 | 0.7840 | 0.8348 | 0.8776 | 0.9142 | 0.9508 | 0.9712 | 0.9885 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9596 | 0.8977 | 0.8639 | 0.9081 | 0.9612 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9836 | 0.9782 | 0.9853 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.2. Performance data for gun crew: gunner (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0401 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1328 | 0.0456 | 0.0069 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2260 | 0.1524 | 0.0748 | 0.0507 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4167 | 0.3135 | 0.1921 | 0.1414 | 0.0540 | 0.0064 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.6052 | 0.4770 | 0.3574 | 0.2489 | 0.1820 | 0.1126 | 0.0419 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.7214 | 0.6406 | 0.5046 | 0.5102 | 0.3981 | 0.3273 | 0.2248 | 0.1434 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0009 |
| 11 | 769.29 | 2.89 | 0.7595 | 0.7451 | 0.7236 | 0.7060 | 0.6276 | 0.5639 | 0.4964 | 0.4493 | 0.4419 | 0.0775 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.7688 | 0.7794 | 0.7851 | 0.7814 | 0.7635 | 0.7271 | 0.6884 | 0.6512 | 0.5682 | 0.4070 | 0.3410 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.7752 | 0.7790 | 0.7809 | 0.7788 | 0.7704 | 0.7513 | 0.7228 | 0.6809 | 0.6352 | 0.5768 | 0.4916 | 0.2608 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.7824 | 0.7791 | 0.7773 | 0.7768 | 0.7778 | 0.7742 | 0.7562 | 0.7113 | 0.6973 | 0.6702 | 0.5946 | 0.4666 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7907 | 0.7846 | 0.7825 | 0.7829 | 0.7674 | 0.7968 | 0.7882 | 0.7508 | 0.7563 | 0.7374 | 0.6830 | 0.5850 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.8074 | 0.8099 | 0.8115 | 0.8129 | 0.8146 | 0.8195 | 0.8202 | 0.8149 | 0.8154 | 0.8046 | 0.7714 | 0.7034 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9160 | 0.9236 | 0.9307 | 0.9376 | 0.9443 | 0.9511 | 0.9579 | 0.9644 | 0.9707 | 0.9764 | 0.9813 | 0.9877 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.3. Performance data for gun crew: assistant gunner.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6265 | 0.4600 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8225 | 0.7781 | 0.7015 | 0.6064 | 0.5024 | 0.4101 | 0.3696 | 0.3216 | 0.2526 | 0.2078 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9913 | 0.8550 | 0.7483 | 0.7186 | 0.6336 | 0.5468 | 0.4987 | 0.4214 | 0.3185 | 0.2830 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8938 | 0.7955 | 0.7644 | 0.7004 | 0.6240 | 0.5662 | 0.4776 | 0.3844 | 0.3576 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9455 | 0.7871 | 0.7390 | 0.6689 | 0.6032 | 0.5219 | 0.4508 | 0.4321 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8313 | 0.7792 | 0.7146 | 0.6435 | 0.5697 | 0.5194 | 0.5004 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8732 | 0.7842 | 0.7310 | 0.6[illegible]0 | 0.5945 | 0.5476 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8731 | 0.7768 | 0.7486 | 0.6992 | 0.6393 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8606 | 0.8110 | 0.7720 | 0.7147 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8726 | 0.7892 | 0.7548 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9906 | 0.8492 | 0.7976 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9768 | 0.8603 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9542 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.81 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1621 | 0.1140 | 0.1151 | 0.0997 | 0.0880 | 0.0776 | 0.0794 | 0.0846 | 0.0908 | 0.0865 | 0.1011 | 0.0874 | 0.0574 |
| 16 | 2729.55 | 3.44 | 0.2459 | 0.2039 | 0.1706 | 0.1276 | 0.1088 | 0.0990 | 0.0989 | 0.1062 | 0.1205 | 0.1343 | 0.1584 | 0.1607 | 0.1366 |
| 15 | 2118.81 | 3.33 | 0.3298 | 0.2894 | 0.2262 | 0.1555 | 0.1297 | 0.1205 | 0.1184 | 0.1280 | 0.1504 | 0.1822 | 0.2157 | 0.2340 | 0.2392 |
| 14 | 1644.72 | 3.22 | 0.4136 | 0.3746 | 0.2855 | 0.2038 | 0.1775 | 0.1720 | 0.1754 | 0.1924 | 0.2153 | 0.2658 | 0.2984 | 0.3232 | 0.3775 |
| 13 | 1276.71 | 3.11 | 0.4924 | 0.4512 | 0.3552 | 0.2785 | 0.2420 | 0.2320 | 0.2412 | 0.2590 | 0.2800 | 0.3449 | 0.3758 | 0.4153 | 0.5129 |
| 12 | 991.04 | 3.00 | 0.5230 | 0.4946 | 0.4478 | 0.3928 | 0.3229 | 0.2951 | 0.3097 | 0.3257 | 0.3421 | 0.3630 | 0.3806 | 0.5082 | 0.5946 |
| 11 | 769.29 | 2.89 | 0.5911 | 0.5610 | 0.5329 | 0.4966 | 0.4438 | 0.4147 | 0.4294 | 0.4457 | 0.4607 | 0.4761 | 0.5112 | 0.6046 | 0.6678 |
| 10 | 597.16 | 2.78 | 0.6567 | 0.6190 | 0.5923 | 0.5669 | 0.5384 | 0.5049 | 0.5118 | 0.5245 | 0.5403 | 0.5564 | 0.6089 | 0.6848 | 0.7161 |
| 9 | 463.54 | 2.67 | 0.7023 | 0.6559 | 0.6243 | 0.6004 | 0.5702 | 0.5396 | 0.5247 | 0.5281 | 0.5457 | 0.5650 | 0.6284 | 0.7207 | 0.7350 |
| 8 | 359.82 | 2.56 | 0.7383 | 0.6924 | 0.6541 | 0.6257 | 0.6003 | 0.5761 | 0.5523 | 0.5514 | 0.5683 | 0.5874 | 0.6511 | 0.7395 | 0.7485 |
| 7 | 279.31 | 2.45 | 0.7709 | 0.7290 | 0.6836 | 0.6501 | 0.6292 | 0.6212 | 0.6187 | 0.6275 | 0.6378 | 0.6519 | 0.6904 | 0.7527 | 0.7611 |
| 6 | 216.82 | 2.34 | 0.8035 | 0.7657 | 0.7131 | 0.6745 | 0.6581 | 0.6738 | 0.6949 | 0.7147 | 0.7268 | 0.7383 | 0.7507 | 0.7659 | 0.7738 |
| 5 | 168.30 | 2.23 | 0.9357 | 0.8532 | 0.7907 | 0.7264 | 0.6979 | 0.7386 | 0.7739 | 0.8033 | 0.8347 | 0.8519 | 0.8670 | 0.8803 | 0.8920 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9455 | 0.8729 | 0.7965 | 0.7555 | 0.8124 | 0.8595 | 0.8988 | 0.9431 | 0.9665 | 0.9866 | 1.0000 | 1.0000 |
| 3 | 101.81 | 2.01 | 1.0000 | 1.0000 | 0.9538 | 0.8833 | 0.8437 | 0.8951 | 0.9557 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9813 | 0.9751 | 0.9832 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.3. Performance data for gun crew: assistant gunner (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | 79.43 (1.9) | 100.00 (2.0) | 125.89 (2.1) | 158.49 (2.2) | 199.53 (2.3) | 251.19 (2.4) | 316.23 (2.5) | 398.11 (2.6) | 501.19 (2.7) | 630.96 (2.8) | 794.33 (2.9) | 1000.00 (3.0) | 1258.93 (3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0300 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.0599 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1519 | 0.0465 | 0.0071 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2243 | 0.1459 | 0.0706 | 0.0456 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.3895 | 0.2732 | 0.1633 | 0.1172 | 0.0431 | 0.0052 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.5538 | 0.4248 | 0.3045 | 0.2010 | 0.1494 | 0.0921 | 0.0348 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.6769 | 0.5911 | 0.5106 | 0.4509 | 0.3349 | 0.2680 | 0.1888 | 0.1214 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7206 | 0.7040 | 0.6794 | 0.6565 | 0.5707 | 0.5085 | 0.4437 | 0.4001 | 0.3869 | 0.0654 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.7327 | 0.7438 | 0.7489 | 0.7430 | 0.7214 | 0.6619 | 0.6352 | 0.5886 | 0.5013 | 0.3474 | 0.2734 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.7393 | 0.7435 | 0.7450 | 0.7421 | 0.7325 | 0.7116 | 0.6827 | 0.6242 | 0.5728 | 0.5063 | 0.4083 | 0.2239 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.7467 | 0.7435 | 0.7436 | 0.7419 | 0.7364 | 0.7394 | 0.7178 | 0.6607 | 0.6406 | 0.6053 | 0.5247 | 0.4132 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7553 | 0.7500 | 0.7483 | 0.7497 | 0.7523 | 0.7648 | 0.7536 | 0.7065 | 0.7092 | 0.6842 | 0.6291 | 0.5475 | 0.4450 |
| 6 | 216.82 | 2.34 | 0.7760 | 0.7794 | 0.7815 | 0.7831 | 0.7850 | 0.7902 | 0.7894 | 0.7805 | 0.7776 | 0.7632 | 0.7334 | 0.6819 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9023 | 0.9114 | 0.9197 | 0.9276 | 0.9354 | 0.9431 | 0.9506 | 0.9578 | 0.9647 | 0.9714 | 0.9783 | 0.9868 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.4. Performance data for gun crew: loader.

| GRID LINE | DOSE | LOG(DOSE) | 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6265 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.7014 | 0.6375 | 0.5272 | 0.3859 | 0.2739 | 0.1912 | 0.1601 | 0.1325 | 0.1051 | 0.0859 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9751 | 0.7290 | 0.5985 | 0.5011 | 0.3994 | 0.3090 | 0.2599 | 0.2021 | 0.1430 | 0.1247 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8234 | 0.6622 | 0.6108 | 0.5246 | 0.4265 | 0.3595 | 0.2627 | 0.1809 | 0.1635 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9099 | 0.6492 | 0.5792 | 0.4833 | 0.4014 | 0.3111 | 0.2412 | 0.2291 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7196 | 0.6361 | 0.5414 | 0.4485 | 0.3639 | 0.3125 | 0.2934 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7894 | 0.6447 | 0.5653 | 0.4772 | 0.3918 | 0.3404 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7871 | 0.6334 | 0.5855 | 0.5298 | 0.4504 |
| 10 | 597.16 | 2.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7691 | 0.6885 | 0.6277 | 0.5452 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7893 | 0.6530 | 0.6026 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9643 | 0.7503 | 0.6657 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9616 | 0.7671 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9241 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.81 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0672 | 0.0452 | 0.0408 | 0.0347 | 0.0302 | 0.0264 | 0.0272 | 0.0292 | 0.0318 | 0.0291 | 0.0350 | 0.0311 | 0.0216 |
| 16 | 2729.55 | 3.44 | 0.1063 | 0.0842 | 0.0664 | 0.0469 | 0.0393 | 0.0356 | 0.0355 | 0.0386 | 0.0450 | 0.0516 | 0.0631 | 0.0628 | 0.0506 |
| 15 | 2118.81 | 3.33 | 0.1455 | 0.1232 | 0.0919 | 0.0592 | 0.0483 | 0.0448 | 0.0438 | 0.0480 | 0.0583 | 0.0742 | 0.0912 | 0.0990 | 0.1010 |
| 14 | 1644.72 | 3.22 | 0.2128 | 0.1817 | 0.1257 | 0.0828 | 0.0709 | 0.0685 | 0.0699 | 0.0776 | 0.0897 | 0.1280 | 0.1486 | 0.1608 | 0.2124 |
| 13 | 1276.71 | 3.11 | 0.2780 | 0.2394 | 0.1738 | 0.1269 | 0.1072 | 0.1018 | 0.1070 | 0.1173 | 0.1297 | 0.1790 | 0.2022 | 0.2342 | 0.3215 |
| 12 | 991.04 | 3.00 | 0.3143 | 0.2858 | 0.2487 | 0.2091 | 0.1630 | 0.1446 | 0.1545 | 0.1648 | 0.1756 | 0.1925 | 0.2054 | 0.3147 | 0.3977 |
| 11 | 769.29 | 2.89 | 0.3911 | 0.3545 | 0.3239 | 0.2914 | 0.2557 | 0.2359 | 0.2486 | 0.2620 | 0.2750 | 0.2884 | 0.3257 | 0.4174 | 0.4793 |
| 10 | 597.16 | 2.78 | 0.4667 | 0.4168 | 0.3843 | 0.3587 | 0.3278 | 0.3061 | 0.3132 | 0.3257 | 0.3412 | 0.3572 | 0.4162 | 0.5030 | 0.5423 |
| 9 | 463.54 | 2.67 | 0.5255 | 0.4644 | 0.4209 | 0.3926 | 0.3624 | 0.3360 | 0.3234 | 0.3291 | 0.3464 | 0.3660 | 0.4352 | 0.5403 | 0.5639 |
| 8 | 359.82 | 2.56 | 0.5768 | 0.5116 | 0.4575 | 0.4252 | 0.3969 | 0.3691 | 0.3476 | 0.3500 | 0.3671 | 0.3874 | 0.4576 | 0.5658 | 0.5835 |
| 7 | 279.31 | 2.45 | 0.6255 | 0.5601 | 0.4949 | 0.4571 | 0.4314 | 0.4186 | 0.4174 | 0.4286 | 0.4431 | 0.4601 | 0.5046 | 0.5876 | 0.6025 |
| 6 | 216.82 | 2.34 | 0.6742 | 0.6149 | 0.5389 | 0.4689 | 0.4659 | 0.4842 | 0.5117 | 0.5376 | 0.5535 | 0.5695 | 0.5870 | 0.6094 | 0.6215 |
| 5 | 168.30 | 2.23 | 0.8932 | 0.7596 | 0.6035 | 0.5626 | 0.5184 | 0.5777 | 0.6279 | 0.6655 | 0.7286 | 0.7552 | 0.7790 | 0.8003 | 0.8194 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9107 | 0.7939 | 0.6682 | 0.6016 | 0.6916 | 0.7658 | 0.8245 | 0.9066 | 0.9447 | 0.9778 | 1.0000 | 1.0000 |
| 3 | 101.81 | 2.01 | 1.0000 | 1.0000 | 0.9228 | 0.8060 | 0.7418 | 0.8256 | 0.9264 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9689 | 0.9586 | 0.9720 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.4. Performance data for gun crew: leader (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0169 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.0558 | 0.0174 | 0.0024 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.0952 | 0.0688 | 0.0325 | 0.0194 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.2308 | 0.1582 | 0.0917 | 0.0556 | 0.0184 | 0.0019 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.3662 | 0.2768 | 0.1949 | 0.1143 | 0.0751 | 0.0414 | 0.0150 | 0.0009 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.4870 | 0.4151 | 0.3534 | 0.3003 | 0.1962 | 0.1414 | 0.0803 | 0.0445 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.5446 | 0.5289 | 0.5065 | 0.4811 | 0.4072 | 0.3380 | 0.2730 | 0.2402 | 0.2119 | 0.0333 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.5640 | 0.5772 | 0.5828 | 0.5747 | 0.5462 | 0.4912 | 0.4325 | 0.3030 | 0.3046 | 0.1860 | 0.1209 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.5720 | 0.5767 | 0.5784 | 0.5744 | 0.5607 | 0.5345 | 0.4910 | 0.4225 | 0.3702 | 0.3040 | 0.2324 | 0.1490 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.5814 | 0.5781 | 0.5761 | 0.5746 | 0.5709 | 0.5656 | 0.5347 | 0.4616 | 0.4360 | 0.4035 | 0.3422 | 0.2986 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.5930 | 0.5867 | 0.5850 | 0.5850 | 0.5871 | 0.5960 | 0.5761 | 0.5098 | 0.5026 | 0.4966 | 0.4548 | 0.4482 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.6255 | 0.6322 | 0.6365 | 0.6349 | 0.6276 | 0.6264 | 0.6176 | 0.5989 | 0.5907 | 0.5898 | 0.5772 | 0.5977 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.8365 | 0.8521 | 0.8663 | 0.8779 | 0.8877 | 0.8984 | 0.9099 | 0.9222 | 0.9355 | 0.9497 | 0.9657 | 0.9833 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.5. Performance data for FDC crew: fire direction officer.

| GRID LINE | DOSE | LOG(DOSE) | 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8180 | 0.7567 | 0.7163 | 0.6748 | 0.6161 | 0.5101 | 0.4634 | 0.4035 | 0.3142 | 0.2329 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9904 | 0.8267 | 0.7552 | 0.7265 | 0.6781 | 0.6015 | 0.5926 | 0.5386 | 0.4145 | 0.3579 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8985 | 0.7946 | 0.7619 | 0.7147 | 0.6602 | 0.6453 | 0.5959 | 0.4866 | 0.4545 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9452 | 0.7901 | 0.7467 | 0.7115 | 0.6714 | 0.6204 | 0.5517 | 0.5444 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8384 | 0.7807 | 0.7499 | 0.6998 | 0.6480 | 0.6101 | 0.6092 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8779 | 0.7824 | 0.7610 | 0.7162 | 0.6661 | 0.6386 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8634 | 0.7902 | 0.7577 | 0.7149 | 0.6762 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8634 | 0.7991 | 0.7508 | 0.7151 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8528 | 0.7778 | 0.7540 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9910 | 0.8450 | 0.7972 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9762 | 0.8609 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9559 |
| 5 | 168.70 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1742 | 0.1155 | 0.1395 | 0.1193 | 0.1040 | 0.0906 | 0.0933 | 0.1005 | 0.1087 | 0.1022 | 0.1218 | 0.0980 | 0.0515 |
| 16 | 2729.55 | 3.44 | 0.3065 | 0.2430 | 0.2141 | 0.1573 | 0.1318 | 0.1198 | 0.1219 | 0.1346 | 0.1547 | 0.1768 | 0.2150 | 0.1982 | 0.1478 |
| 15 | 2118.81 | 3.33 | 0.4213 | 0.3705 | 0.2689 | 0.1953 | 0.1598 | 0.1490 | 0.1507 | 0.1689 | 0.2009 | 0.2515 | 0.3084 | 0.3067 | 0.2837 |
| 14 | 1644.72 | 3.22 | 0.5324 | 0.4839 | 0.3674 | 0.2623 | 0.2265 | 0.2197 | 0.2278 | 0.2601 | 0.3007 | 0.3730 | 0.4317 | 0.4426 | 0.4690 |
| 13 | 1276.71 | 3.11 | 0.6159 | 0.5748 | 0.4569 | 0.3622 | 0.3154 | 0.3038 | 0.3211 | 0.3555 | 0.3994 | 0.4896 | 0.5469 | 0.5754 | 0.6506 |
| 12 | 991.04 | 3.00 | 0.6332 | 0.6237 | 0.5724 | 0.5080 | 0.4238 | 0.3944 | 0.4223 | 0.4518 | 0.4826 | 0.5168 | 0.5509 | 0.6523 | 0.7404 |
| 11 | 769.29 | 2.89 | 0.6506 | 0.6435 | 0.6260 | 0.5964 | 0.5379 | 0.5117 | 0.5383 | 0.5656 | 0.5909 | 0.6158 | 0.6498 | 0.7224 | 0.7773 |
| 10 | 597.16 | 2.78 | 0.6781 | 0.6661 | 0.6613 | 0.6501 | 0.6324 | 0.6072 | 0.6171 | 0.6391 | 0.6630 | 0.6873 | 0.7338 | 0.7781 | 0.8014 |
| 9 | 463.54 | 2.67 | 0.7190 | 0.6954 | 0.6921 | 0.6866 | 0.6739 | 0.6470 | 0.6345 | 0.6457 | 0.6716 | 0.7000 | 0.7626 | 0.8150 | 0.8210 |
| 8 | 359.82 | 2.56 | 0.7545 | 0.7231 | 0.7098 | 0.7011 | 0.6929 | 0.6786 | 0.6615 | 0.6688 | 0.6936 | 0.7212 | 0.7677 | 0.8319 | 0.8320 |
| 7 | 279.31 | 2.45 | 0.7610 | 0.7481 | 0.7184 | 0.7040 | 0.7044 | 0.7091 | 0.7135 | 0.7320 | 0.7492 | 0.7680 | 0.8130 | 0.8375 | 0.8379 |
| 6 | 216.82 | 2.34 | 0.8087 | 0.7731 | 0.7271 | 0.7070 | 0.7159 | 0.7395 | 0.7694 | 0.7978 | 0.8149 | 0.8278 | 0.8383 | 0.8431 | 0.8437 |
| 5 | 168.70 | 2.23 | 0.9372 | 0.8573 | 0.7996 | 0.7457 | 0.7371 | 0.7801 | 0.8256 | 0.8638 | 0.8885 | 0.9025 | 0.9125 | 0.9197 | 0.9253 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9470 | 0.8784 | 0.8071 | 0.7763 | 0.8323 | 0.8831 | 0.9298 | 0.9616 | 0.9780 | 0.9912 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9559 | 0.8884 | 0.8515 | 0.8997 | 0.9577 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9821 | 0.9762 | 0.9839 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.5. Performance data for FDC crew: fire direction officer (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.05 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.0316 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1268 | 0.0334 | 0.0035 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2429 | 0.1301 | 0.0505 | 0.0364 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4699 | 0.3182 | 0.1605 | 0.1125 | 0.0429 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.6933 | 0.5139 | 0.3446 | 0.2504 | 0.1706 | 0.0971 | 0.0256 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.8104 | 0.7096 | 0.6067 | 0.5397 | 0.4425 | 0.3576 | 0.2615 | 0.1637 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.8172 | 0.8066 | 0.7703 | 0.7386 | 0.6644 | 0.6220 | 0.5631 | 0.5022 | 0.4763 | 0.0773 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.8194 | 0.8300 | 0.8249 | 0.8209 | 0.8153 | 0.8088 | 0.7649 | 0.7417 | 0.6579 | 0.4226 | 0.3156 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.8258 | 0.8299 | 0.8280 | 0.8273 | 0.8261 | 0.8336 | 0.8160 | 0.7710 | 0.7263 | 0.6333 | 0.5190 | 0.2648 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8319 | 0.8294 | 0.8312 | 0.8312 | 0.8309 | 0.8305 | 0.8274 | 0.7915 | 0.7680 | 0.7329 | 0.6276 | 0.4731 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.8375 | 0.8303 | 0.8345 | 0.8349 | 0.8340 | 0.8330 | 0.8306 | 0.8111 | 0.7978 | 0.7764 | 0.7069 | 0.5920 | 0.4450 |
| 6 | 216.82 | 2.34 | 0.8430 | 0.8389 | 0.8384 | 0.8386 | 0.8371 | 0.8355 | 0.8338 | 0.8308 | 0.8276 | 0.8198 | 0.7863 | 0.7109 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9303 | 0.9350 | 0.9397 | 0.9447 | 0.9497 | 0.9550 | 0.9605 | 0.9663 | 0.9723 | 0.9780 | 0.9825 | 0.9880 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.6. Performance data for FDC crew: horizontal control operator.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.7554 | 0.6907 | 0.6396 | 0.5860 | 0.5252 | 0.4608 | 0.4367 | 0.3986 | 0.3355 | 0.2826 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9796 | 0.7742 | 0.6822 | 0.6558 | 0.5938 | 0.5302 | 0.5202 | 0.4717 | 0.3953 | 0.3675 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8603 | 0.7255 | 0.6902 | 0.6377 | 0.5789 | 0.5564 | 0.5037 | 0.4404 | 0.4277 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9268 | 0.7198 | 0.6723 | 0.6239 | 0.5841 | 0.5300 | 0.4826 | 0.4825 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7778 | 0.7091 | 0.6690 | 0.6145 | 0.5593 | 0.5252 | 0.5221 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8328 | 0.7141 | 0.6826 | 0.6317 | 0.5784 | 0.5483 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8180 | 0.7176 | 0.6823 | 0.6364 | 0.5952 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8148 | 0.7345 | 0.6840 | 0.6414 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8016 | 0.7143 | 0.6623 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9876 | 0.7988 | 0.7268 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.7690 | 0.8114 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9394 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.2373 | 0.1836 | 0.2091 | 0.1830 | 0.1682 | 0.1551 | 0.1567 | 0.1615 | 0.1664 | 0.1548 | 0.1064 | 0.1411 | 0.0980 |
| 16 | 2729.55 | 3.44 | 0.3391 | 0.2972 | 0.2676 | 0.2182 | 0.1955 | 0.1840 | 0.1907 | 0.2015 | 0.2125 | 0.2216 | 0.2462 | 0.2354 | 0.2017 |
| 15 | 2118.81 | 3.33 | 0.4136 | 0.3808 | 0.3226 | 0.2534 | 0.2228 | 0.2147 | 0.2247 | 0.2415 | 0.2586 | 0.2986 | 0.3260 | 0.3296 | 0.3151 |
| 14 | 1644.72 | 3.22 | 0.4829 | 0.4519 | 0.3737 | 0.3000 | 0.2728 | 0.2701 | 0.2796 | 0.3050 | 0.3331 | 0.3758 | 0.4155 | 0.4307 | 0.4557 |
| 13 | 1276.71 | 3.11 | 0.5274 | 0.5009 | 0.4259 | 0.3628 | 0.3316 | 0.3254 | 0.3397 | 0.3681 | 0.4056 | 0.4584 | 0.4991 | 0.5287 | 0.5933 |
| 12 | 991.04 | 3.00 | 0.5396 | 0.5276 | 0.4937 | 0.4508 | 0.3956 | 0.3797 | 0.4015 | 0.4262 | 0.4510 | 0.4781 | 0.5048 | 0.5861 | 0.6620 |
| 11 | 769.29 | 2.89 | 0.5627 | 0.5543 | 0.5387 | 0.5178 | 0.4819 | 0.4673 | 0.4898 | 0.5128 | 0.5345 | 0.5564 | 0.5887 | 0.6504 | 0.7027 |
| 10 | 597.16 | 2.78 | 0.5986 | 0.5824 | 0.5735 | 0.5646 | 0.5544 | 0.5386 | 0.5511 | 0.5706 | 0.5918 | 0.6137 | 0.6555 | 0.7065 | 0.7262 |
| 9 | 463.54 | 2.67 | 0.6410 | 0.6123 | 0.6042 | 0.5964 | 0.5859 | 0.5714 | 0.5652 | 0.5766 | 0.5994 | 0.6252 | 0.6791 | 0.7357 | 0.7410 |
| 8 | 359.82 | 2.56 | 0.6788 | 0.6420 | 0.6244 | 0.6117 | 0.6034 | 0.5970 | 0.5653 | 0.5929 | 0.6155 | 0.6420 | 0.7029 | 0.7491 | 0.7497 |
| 7 | 279.31 | 2.45 | 0.7091 | 0.6710 | 0.6373 | 0.6183 | 0.6167 | 0.6251 | 0.6273 | 0.6433 | 0.6630 | 0.6824 | 0.7272 | 0.7553 | 0.7564 |
| 6 | 216.82 | 2.34 | 0.7394 | 0.7001 | 0.6503 | 0.6249 | 0.6300 | 0.6533 | 0.6829 | 0.7118 | 0.7303 | 0.7437 | 0.7541 | 0.7616 | 0.7631 |
| 5 | 168.30 | 2.23 | 0.9143 | 0.8111 | 0.7417 | 0.6688 | 0.6533 | 0.7016 | 0.7486 | 0.7881 | 0.8360 | 0.8540 | 0.8674 | 0.8778 | 0.8868 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9298 | 0.8405 | 0.7424 | 0.6990 | 0.7699 | 0.8306 | 0.8816 | 0.9436 | 0.9670 | 0.9867 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9383 | 0.8465 | 0.7957 | 0.8620 | 0.9418 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9754 | 0.9672 | 0.9779 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.6. Performance data for FDC crew: horizontal control operator (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 (1.9) | 100.00 (2.0) | 125.89 (2.1) | 158.49 (2.2) | 199.53 (2.3) | 251.19 (2.4) | 316.23 (2.5) | 398.11 (2.6) | 501.19 (2.7) | 630.96 (2.8) | 794.33 (2.9) | 1000.00 (3.0) | 1258.93 (3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4525.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.0636 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1725 | 0.0661 | 0.0132 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2816 | 0.1945 | 0.1133 | 0.0939 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4560 | 0.3510 | 0.2462 | 0.2112 | 0.0946 | 0.0124 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.6278 | 0.5072 | 0.4020 | 0.3342 | 0.2584 | 0.1779 | 0.0813 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.7189 | 0.6435 | 0.5695 | 0.5335 | 0.4522 | 0.3986 | 0.3261 | 0.2322 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7340 | 0.7226 | 0.6993 | 0.6863 | 0.6393 | 0.6083 | 0.5659 | 0.5427 | 0.4867 | 0.0924 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.7391 | 0.7475 | 0.7505 | 0.7472 | 0.7373 | 0.7256 | 0.7085 | 0.6792 | 0.6107 | 0.4716 | 0.4182 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.7440 | 0.7371 | 0.7482 | 0.7467 | 0.7425 | 0.7368 | 0.7237 | 0.6980 | 0.6719 | 0.6297 | 0.5462 | 0.2837 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.7489 | 0.7459 | 0.7435 | 0.7463 | 0.7473 | 0.7462 | 0.7381 | 0.7149 | 0.7072 | 0.6910 | 0.6243 | 0.4943 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7538 | 0.7469 | 0.7439 | 0.7464 | 0.7512 | 0.7552 | 0.7511 | 0.7298 | 0.7347 | 0.7242 | 0.6795 | 0.5890 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.7613 | 0.7599 | 0.7597 | 0.7597 | 0.7611 | 0.7643 | 0.7640 | 0.7593 | 0.7622 | 0.7573 | 0.7347 | 0.6837 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.8950 | 0.9031 | 0.9111 | 0.9192 | 0.9273 | 0.9356 | 0.9441 | 0.9528 | 0.9615 | 0.9701 | 0.9780 | 0.9868 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.7. Performance data for FDC crew: computer.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8174 | 0.7673 | 0.7320 | 0.7718 | 0.6380 | 0.5695 | 0.5398 | 0.4907 | 0.4079 | 0.3375 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9898 | 0.8294 | 0.7616 | 0.7455 | 0.6944 | 0.6457 | 0.6361 | 0.5624 | 0.4818 | 0.4581 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8934 | 0.7918 | 0.7672 | 0.7307 | 0.6892 | 0.6742 | 0.6140 | 0.5425 | 0.5355 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9445 | 0.7674 | 0.7549 | 0.7245 | 0.6940 | 0.6443 | 0.5992 | 0.6022 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8304 | 0.7806 | 0.7543 | 0.7157 | 0.6761 | 0.6473 | 0.6450 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8725 | 0.7835 | 0.7631 | 0.7280 | 0.6898 | 0.6681 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8607 | 0.7868 | 0.7623 | 0.7308 | 0.7008 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8591 | 0.7955 | 0.7616 | 0.7327 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8477 | 0.7822 | 0.7615 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9905 | 0.8454 | 0.7949 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9762 | 0.8566 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9537 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.2808 | 0.2145 | 0.2636 | 0.2286 | 0.2094 | 0.1923 | 0.1925 | 0.1959 | 0.1991 | 0.1737 | 0.1812 | 0.1474 | 0.0922 |
| 16 | 2729.55 | 3.44 | 0.4278 | 0.3727 | 0.3496 | 0.2805 | 0.2514 | 0.2367 | 0.2439 | 0.2527 | 0.2606 | 0.2591 | 0.2783 | 0.2575 | 0.2026 |
| 15 | 2118.81 | 3.33 | 0.5260 | 0.4692 | 0.4182 | 0.3325 | 0.2935 | 0.2812 | 0.2954 | 0.3096 | 0.3222 | 0.3447 | 0.3754 | 0.3677 | 0.3358 |
| 14 | 1644.72 | 3.22 | 0.6065 | 0.5728 | 0.4796 | 0.3943 | 0.3598 | 0.3531 | 0.3670 | 0.3878 | 0.4114 | 0.4546 | 0.4697 | 0.4959 | 0.5083 |
| 13 | 1276.71 | 3.11 | 0.6524 | 0.6258 | 0.5421 | 0.4710 | 0.4337 | 0.4246 | 0.4386 | 0.4651 | 0.4983 | 0.5581 | 0.5963 | 0.6199 | 0.6755 |
| 12 | 991.04 | 3.00 | 0.6627 | 0.6543 | 0.6186 | 0.5728 | 0.5111 | 0.4901 | 0.5103 | 0.5315 | 0.5530 | 0.5758 | 0.6000 | 0.6746 | 0.7385 |
| 11 | 769.29 | 2.89 | 0.6783 | 0.6726 | 0.6598 | 0.6380 | 0.5955 | 0.5765 | 0.5951 | 0.6140 | 0.6316 | 0.6485 | 0.6737 | 0.7274 | 0.7685 |
| 10 | 597.16 | 2.78 | 0.7030 | 0.6921 | 0.6869 | 0.6776 | 0.6647 | 0.6459 | 0.6530 | 0.6679 | 0.6842 | 0.7009 | 0.7335 | 0.7708 | 0.7883 |
| 9 | 463.54 | 2.67 | 0.7332 | 0.7136 | 0.7093 | 0.7034 | 0.6931 | 0.6719 | 0.6650 | 0.6723 | 0.6901 | 0.7097 | 0.7540 | 0.7992 | 0.8037 |
| 8 | 359.82 | 2.56 | 0.7598 | 0.7345 | 0.7229 | 0.7146 | 0.7072 | 0.6969 | 0.6826 | 0.6862 | 0.7037 | 0.7227 | 0.7744 | 0.8118 | 0.8118 |
| 7 | 279.31 | 2.45 | 0.7805 | 0.7545 | 0.7313 | 0.7186 | 0.7171 | 0.7201 | 0.7188 | 0.7292 | 0.7432 | 0.7573 | 0.7949 | 0.8152 | 0.8156 |
| 6 | 216.82 | 2.34 | 0.8013 | 0.7744 | 0.7398 | 0.7226 | 0.7270 | 0.7434 | 0.7645 | 0.7849 | 0.7978 | 0.8069 | 0.8153 | 0.8187 | 0.8194 |
| 5 | 168.30 | 2.23 | 0.9346 | 0.8578 | 0.8072 | 0.7529 | 0.7428 | 0.7784 | 0.8145 | 0.8442 | 0.8772 | 0.8902 | 0.8996 | 0.9070 | 0.9136 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9472 | 0.8802 | 0.8058 | 0.7737 | 0.8273 | 0.8736 | 0.9128 | 0.9578 | 0.9752 | 0.9899 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9533 | 0.8828 | 0.8441 | 0.8947 | 0.9556 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9812 | 0.9750 | 0.9831 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.7. Performance data for FDC crew: computer (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1256.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0551 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1063 | 0.0545 | 0.0089 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2779 | 0.1608 | 0.0948 | 0.0839 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4919 | 0.3712 | 0.2591 | 0.2326 | 0.1058 | 0.0143 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.7013 | 0.5608 | 0.4416 | 0.3857 | 0.2965 | 0.2036 | 0.0871 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.7918 | 0.7102 | 0.6265 | 0.5969 | 0.5317 | 0.4841 | 0.4072 | 0.3048 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7979 | 0.7884 | 0.7028 | 0.7533 | 0.7244 | 0.7030 | 0.6705 | 0.6519 | 0.5974 | 0.1194 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.9012 | 0.8106 | 0.8142 | 0.8128 | 0.8066 | 0.7960 | 0.7877 | 0.7765 | 0.7189 | 0.5880 | 0.5209 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.8068 | 0.8102 | 0.8115 | 0.8108 | 0.8079 | 0.8023 | 0.7958 | 0.7850 | 0.7717 | 0.7331 | 0.6549 | 0.3247 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8117 | 0.8101 | 0.8096 | 0.8094 | 0.8070 | 0.8087 | 0.8041 | 0.7939 | 0.7905 | 0.7793 | 0.7099 | 0.5555 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.8157 | 0.8103 | 0.8090 | 0.8093 | 0.8080 | 0.8149 | 0.8126 | 0.8036 | 0.8058 | 0.8000 | 0.7541 | 0.6373 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.8198 | 0.8171 | 0.8170 | 0.8171 | 0.8177 | 0.8211 | 0.8212 | 0.8174 | 0.8211 | 0.8207 | 0.7982 | 0.7192 | 0.6200 |
| 5 | 169.30 | 2.23 | 0.9199 | 0.9261 | 0.9323 | 0.9385 | 0.9448 | 0.9511 | 0.9576 | 0.9642 | 0.9710 | 0.9779 | 0.9833 | 0.9882 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.8. Performance data for tank crew: tank commander.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8412 | 0.7688 | 0.6825 | 0.5579 | 0.4449 | 0.3825 | 0.3576 | 0.3133 | 0.2436 | 0.1844 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9927 | 0.8407 | 0.7500 | 0.6964 | 0.5896 | 0.4908 | 0.4535 | 0.3717 | 0.3024 | 0.2851 |
| 15 | 2119.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9139 | 0.8178 | 0.7697 | 0.6809 | 0.5724 | 0.5172 | 0.4216 | 0.3605 | 0.3551 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9514 | 0.8083 | 0.7367 | 0.6494 | 0.5695 | 0.4693 | 0.4167 | 0.4129 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8630 | 0.7937 | 0.7259 | 0.6265 | 0.5230 | 0.4739 | 0.4591 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8954 | 0.8049 | 0.7468 | 0.6589 | 0.5594 | 0.5001 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8928 | 0.8022 | 0.7558 | 0.6771 | 0.5998 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8814 | 0.8261 | 0.7656 | 0.6908 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8889 | 0.8039 | 0.7558 |
| 8 | 359.02 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9424 | 0.8699 | 0.8216 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9800 | 0.8585 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9635 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1383 | 0.0911 | 0.1099 | 0.0905 | 0.0785 | 0.0685 | 0.0686 | 0.0705 | 0.0719 | 0.0647 | 0.0688 | 0.0526 | 0.0285 |
| 16 | 2729.55 | 3.44 | 0.2545 | 0.1967 | 0.1728 | 0.1206 | 0.0994 | 0.0913 | 0.0986 | 0.1068 | 0.1121 | 0.1189 | 0.1371 | 0.1244 | 0.0981 |
| 15 | 2119.81 | 3.33 | 0.3468 | 0.3023 | 0.2286 | 0.1506 | 0.1202 | 0.1142 | 0.1286 | 0.1432 | 0.1525 | [illegible] | 0.2055 | 0.2189 | 0.2137 |
| 14 | 1644.72 | 3.22 | 0.4134 | 0.3782 | 0.2815 | 0.1923 | 0.1634 | 0.1617 | 0.1735 | 0.2036 | 0.2367 | 0.2728 | 0.3163 | 0.3511 | 0.4036 |
| 13 | 1276.71 | 3.11 | 0.4559 | 0.4295 | 0.3347 | 0.2518 | 0.2159 | 0.2089 | 0.2257 | 0.2636 | 0.3176 | 0.3672 | 0.4203 | 0.4805 | 0.5899 |
| 12 | 991.04 | 3.00 | 0.4777 | 0.4523 | 0.4024 | 0.3438 | 0.2737 | 0.2534 | 0.2825 | 0.3179 | 0.3540 | 0.3920 | 0.4321 | 0.5723 | 0.6951 |
| 11 | 769.29 | 2.89 | 0.5374 | 0.5094 | 0.4784 | 0.4429 | 0.4010 | 0.3853 | 0.4200 | 0.4550 | 0.4886 | 0.5230 | 0.5774 | 0.6830 | 0.7620 |
| 10 | 597.16 | 2.78 | 0.6097 | 0.5704 | 0.5493 | 0.5305 | 0.5114 | 0.4909 | 0.5171 | 0.5498 | 0.5839 | 0.6190 | 0.6888 | 0.7744 | 0.8009 |
| 9 | 463.54 | 2.67 | 0.6824 | 0.6284 | 0.6025 | 0.5831 | 0.5625 | 0.5363 | 0.5374 | 0.5598 | 0.5964 | 0.6374 | 0.7185 | 0.8087 | 0.8213 |
| 8 | 359.02 | 2.56 | 0.7448 | 0.6819 | 0.6411 | 0.6134 | 0.5960 | 0.5824 | 0.5798 | 0.5999 | 0.6361 | 0.6715 | 0.7486 | 0.8236 | 0.8314 |
| 7 | 279.31 | 2.45 | 0.7907 | 0.7316 | 0.6716 | 0.6331 | 0.6249 | 0.6329 | 0.6573 | 0.6880 | 0.7191 | 0.7422 | 0.7854 | 0.8324 | 0.8381 |
| 6 | 216.82 | 2.34 | 0.8367 | 0.7817 | 0.7020 | 0.6529 | 0.6538 | 0.6890 | 0.7348 | 0.7761 | 0.8021 | 0.8191 | 0.8316 | 0.8413 | 0.8448 |
| 5 | 168.30 | 2.23 | 0.9471 | 0.8641 | 0.7872 | 0.7336 | 0.7086 | 0.7638 | 0.8109 | 0.8547 | 0.8853 | 0.8982 | 0.9102 | 0.9189 | 0.9259 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9495 | 0.8775 | 0.8201 | 0.7822 | 0.8398 | 0.8868 | 0.9323 | 0.9657 | 0.9770 | 0.9910 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9636 | 0.9061 | 0.8741 | 0.9170 | 0.9641 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9879 | 0.9798 | 0.9887 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.8. Performance data for tank crew: tank commander (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0177 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.0775 | 0.0210 | 0.0020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.1602 | 0.0972 | 0.0450 | 0.0341 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4149 | 0.2754 | 0.1626 | 0.1139 | 0.0485 | 0.0048 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.6460 | 0.4709 | 0.3422 | 0.2610 | 0.1721 | 0.1014 | 0.0325 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.7724 | 0.6674 | 0.5678 | 0.5329 | 0.3954 | 0.3406 | 0.2528 | 0.1579 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.8025 | 0.7856 | 0.7544 | 0.7489 | 0.6606 | 0.6162 | 0.5717 | 0.5242 | 0.4905 | 0.0769 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.8123 | 0.8224 | 0.8307 | 0.8322 | 0.8212 | 0.7880 | 0.7732 | 0.7586 | 0.6513 | 0.4275 | 0.3510 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.8206 | 0.8228 | 0.8242 | 0.8213 | 0.8119 | 0.7932 | 0.7815 | 0.7695 | 0.7413 | 0.6590 | 0.5697 | 0.2936 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8293 | 0.8227 | 0.8181 | 0.8122 | 0.8047 | 0.7975 | 0.7901 | 0.7817 | 0.7858 | 0.7709 | 0.6786 | 0.5159 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.8378 | 0.8276 | 0.8224 | 0.8179 | 0.8143 | 0.8149 | 0.8107 | 0.8064 | 0.8232 | 0.6154 | 0.7533 | 0.6254 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.8464 | 0.8461 | 0.8475 | 0.8488 | 0.8503 | 0.8523 | 0.8538 | 0.8553 | 0.8607 | 0.8599 | 0.8279 | 0.7348 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9321 | 0.9381 | 0.9440 | 0.9498 | 0.9555 | 0.9611 | 0.9667 | 0.9722 | 0.9776 | 0.9830 | 0.9860 | 0.9890 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.9. Performance data for tank crew: gunner.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 (0.0) | 1.26 (0.1) | 1.58 (0.2) | 2.00 (0.3) | 2.51 (0.4) | 3.16 (0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8684 | 0.8229 | 0.7625 | 0.6803 | 0.5801 | 0.5244 | 0.5047 | 0.4510 | 0.3591 | 0.2674 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9977 | 0.8791 | 0.8130 | 0.7649 | 0.7026 | 0.6076 | 0.5928 | 0.5064 | 0.4439 | 0.4156 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9364 | 0.8638 | 0.8278 | 0.7615 | 0.6770 | 0.6390 | 0.5510 | 0.4987 | 0.5032 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9637 | 0.8574 | 0.8037 | 0.7438 | 0.6606 | 0.5950 | 0.5503 | 0.5560 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8988 | 0.8460 | 0.8016 | 0.7255 | 0.6434 | 0.6024 | 0.5927 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9226 | 0.8548 | 0.8154 | 0.7512 | 0.6728 | 0.6261 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9179 | 0.8545 | 0.8193 | 0.7568 | 0.6990 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9119 | 0.8696 | 0.8210 | 0.7662 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9172 | 0.8523 | 0.8162 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9944 | 0.9031 | 0.8660 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9851 | 0.9168 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9730 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 (0.6) | 5.01 (0.7) | 6.31 (0.8) | 7.94 (0.9) | 10.00 (1.0) | 12.59 (1.1) | 15.85 (1.2) | 19.95 (1.3) | 25.12 (1.4) | 31.62 (1.5) | 39.81 (1.6) | 50.12 (1.7) | 63.10 (1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1971 | 0.1267 | 0.1591 | 0.1290 | 0.1105 | 0.0948 | 0.0933 | 0.0941 | 0.0936 | 0.0811 | 0.0812 | 0.0594 | 0.0290 |
| 16 | 2729.55 | 3.44 | 0.3698 | 0.2861 | 0.2630 | 0.1766 | 0.1442 | 0.1306 | 0.1398 | 0.1502 | 0.1525 | 0.1539 | 0.1643 | 0.1469 | 0.1115 |
| 15 | 2118.81 | 3.33 | 0.5021 | 0.4453 | 0.3405 | 0.2287 | 0.1781 | 0.1668 | 0.1865 | 0.2063 | 0.2114 | 0.2269 | 0.2578 | 0.2638 | 0.2488 |
| 14 | 1644.72 | 3.22 | 0.5693 | 0.5331 | 0.4027 | 0.2829 | 0.2415 | 0.2315 | 0.2517 | 0.2655 | 0.3214 | 0.3531 | 0.3966 | 0.4250 | 0.4673 |
| 13 | 1276.71 | 3.11 | 0.5999 | 0.5797 | 0.4654 | 0.3583 | 0.3067 | 0.2951 | 0.3167 | 0.3629 | 0.4260 | 0.4724 | 0.5267 | 0.5815 | 0.6806 |
| 12 | 991.04 | 3.00 | 0.6107 | 0.5915 | 0.5353 | 0.4633 | 0.3719 | 0.3429 | 0.3788 | 0.4171 | 0.4575 | 0.4979 | 0.5400 | 0.6723 | 0.7816 |
| 11 | 769.29 | 2.89 | 0.6507 | 0.6398 | 0.6049 | 0.5670 | 0.5123 | 0.4667 | 0.5220 | 0.5579 | 0.5911 | 0.6247 | 0.6713 | 0.7630 | 0.8296 |
| 10 | 597.16 | 2.78 | 0.7056 | 0.6816 | 0.6670 | 0.6512 | 0.6331 | 0.6077 | 0.5249 | 0.6550 | 0.6857 | 0.7169 | 0.7723 | 0.8389 | 0.8605 |
| 9 | 463.54 | 2.67 | 0.7632 | 0.7259 | 0.7120 | 0.6986 | 0.6812 | 0.6544 | 0.6469 | 0.6641 | 0.6972 | 0.7329 | 0.8005 | 0.8725 | 0.8839 |
| 8 | 359.82 | 2.56 | 0.8114 | 0.7655 | 0.7406 | 0.7214 | 0.7076 | 0.6959 | 0.6851 | 0.6981 | 0.7303 | 0.7646 | 0.8287 | 0.8843 | 0.8925 |
| 7 | 279.31 | 2.45 | 0.8449 | 0.8015 | 0.7595 | 0.7326 | 0.7283 | 0.7372 | 0.7492 | 0.7717 | 0.7977 | 0.8212 | 0.8570 | 0.8870 | 0.8921 |
| 6 | 216.82 | 2.34 | 0.8784 | 0.8374 | 0.7785 | 0.7439 | 0.7489 | 0.7784 | 0.8133 | 0.8452 | 0.8651 | 0.8778 | 0.8852 | 0.8898 | 0.8917 |
| 5 | 168.30 | 2.23 | 0.9606 | 0.8987 | 0.8417 | 0.8032 | 0.7876 | 0.8307 | 0.8668 | 0.9002 | 0.9291 | 0.9333 | 0.9384 | 0.9435 | 0.9481 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9624 | 0.9090 | 0.8671 | 0.8402 | 0.8840 | 0.9103 | 0.9534 | 0.9822 | 0.9880 | 0.9938 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9731 | 0.9507 | 0.9070 | 0.9373 | 0.9735 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9910 | 0.9851 | 0.9905 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.9. Performance data for tank crew: gunner (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0152 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.0793 | 0.0195 | 0.0022 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2041 | 0.1004 | 0.0451 | 0.0386 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4729 | 0.3220 | 0.1909 | 0.1506 | 0.0689 | 0.0070 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.7358 | 0.5435 | 0.4018 | 0.3407 | 0.2354 | 0.1460 | 0.0502 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.8505 | 0.7541 | 0.6484 | 0.6269 | 0.5139 | 0.4666 | 0.3761 | 0.2502 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.8631 | 0.8551 | 0.8251 | 0.8242 | 0.7091 | 0.7486 | 0.6960 | 0.6506 | 0.6109 | 0.1044 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.8728 | 0.8834 | 0.8892 | 0.8902 | 0.8846 | 0.8670 | 0.8639 | 0.8614 | 0.7723 | 0.5527 | 0.4658 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.8860 | 0.8863 | 0.8820 | 0.8799 | 0.8749 | 0.8653 | 0.8613 | 0.8017 | 0.8467 | 0.7807 | 0.6988 | 0.3570 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8940 | 0.8890 | 0.8767 | 0.8735 | 0.8669 | 0.8645 | 0.8604 | 0.8631 | 0.8730 | 0.8641 | 0.7867 | 0.6066 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.8936 | 0.8918 | 0.8773 | 0.8734 | 0.8715 | 0.8722 | 0.8696 | 0.8723 | 0.8885 | 0.8846 | 0.8335 | 0.6858 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.8932 | 0.8945 | 0.8933 | 0.8943 | 0.8955 | 0.8970 | 0.8981 | 0.8997 | 0.9041 | 0.9051 | 0.8804 | 0.7651 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9524 | 0.9567 | 0.9608 | 0.9649 | 0.9689 | 0.9728 | 0.9768 | 0.9807 | 0.9845 | 0.9884 | 0.9902 | 0.9902 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.10. Performance data for tank crew: leader.

| GRID LINE | DOSE | LOG(DOSE) | 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.03 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6265 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.74 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8093 | 0.7506 | 0.6494 | 0.5072 | 0.3785 | 0.3314 | 0.3103 | 0.2642 | 0.2098 | 0.1669 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9079 | 0.8215 | 0.7179 | 0.6529 | 0.5310 | 0.4506 | 0.4011 | 0.3122 | 0.2597 | 0.2490 |
| 15 | 2118.81 | 3.33 | 1.0000 | [illegible] | 1.0000 | 1.0000 | 0.8943 | 0.7868 | 0.7398 | 0.6476 | 0.5376 | 0.4674 | 0.3600 | 0.3096 | 0.3089 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9431 | 0.7757 | 0.7046 | 0.6073 | 0.5193 | 0.4081 | 0.3686 | 0.3623 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8320 | 0.7627 | 0.6777 | 0.5762 | 0.4736 | 0.4350 | 0.4071 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8726 | 0.7722 | 0.7014 | 0.6082 | 0.5100 | 0.4474 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8760 | 0.7642 | 0.7179 | 0.6462 | 0.5631 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8580 | 0.7997 | 0.7452 | 0.6641 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8686 | 0.7758 | 0.7263 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9906 | 0.8452 | 0.7888 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9762 | 0.8609 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | [illegible] |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.1249 | 0.0785 | 0.0827 | 0.0669 | 0.0571 | 0.0489 | 0.0483 | 0.0490 | 0.0493 | 0.0435 | 0.0449 | 0.0348 | 0.0198 |
| 16 | 2729.55 | 3.44 | 0.2267 | 0.1693 | 0.1401 | 0.0921 | 0.0742 | 0.0672 | 0.0709 | 0.0753 | 0.0773 | 0.0788 | 0.0870 | 0.0790 | 0.0630 |
| 15 | 2118.81 | 3.33 | 0.3039 | 0.2600 | 0.1888 | 0.1171 | 0.0913 | 0.0855 | 0.0936 | 0.1017 | 0.1054 | 0.1143 | 0.1294 | 0.1405 | 0.1440 |
| 14 | 1644.72 | 3.22 | 0.3483 | 0.3191 | 0.2347 | 0.1516 | 0.1265 | 0.1230 | 0.1314 | 0.1483 | 0.1671 | 0.1890 | 0.2140 | 0.2366 | 0.3031 |
| 13 | 1276.71 | 3.11 | 0.3837 | 0.3604 | 0.2907 | 0.2009 | 0.1686 | 0.1600 | 0.1703 | 0.1942 | 0.2263 | 0.2596 | 0.2932 | 0.3410 | 0.4599 |
| 12 | 991.04 | 3.00 | 0.4177 | 0.3875 | 0.3366 | 0.2786 | 0.2138 | 0.1907 | 0.2092 | 0.2299 | 0.2518 | 0.2755 | 0.2997 | 0.4479 | 0.5657 |
| 11 | 769.29 | 2.89 | 0.4963 | 0.4608 | 0.4238 | 0.3633 | 0.3375 | 0.3125 | 0.3359 | 0.3597 | 0.3830 | 0.4071 | 0.4567 | 0.5721 | 0.6538 |
| 10 | 597.16 | 2.78 | 0.5612 | 0.5320 | 0.5015 | 0.4734 | 0.4432 | 0.4115 | 0.4268 | 0.4494 | 0.4756 | 0.5027 | 0.5760 | 0.6760 | 0.7154 |
| 9 | 463.54 | 2.67 | 0.6508 | 0.5364 | 0.5492 | 0.5214 | 0.4882 | 0.4554 | 0.4435 | 0.4560 | 0.4847 | 0.5172 | 0.6043 | 0.7222 | 0.7489 |
| 8 | 359.82 | 2.56 | 0.7068 | 0.6394 | 0.5895 | 0.5545 | 0.5268 | 0.5019 | 0.4824 | 0.4959 | 0.5202 | 0.5519 | 0.6362 | 0.7439 | 0.7642 |
| 7 | 279.31 | 2.45 | 0.7543 | 0.6924 | 0.6282 | 0.5830 | 0.5627 | 0.5600 | 0.5724 | 0.5984 | 0.6170 | 0.6380 | 0.6870 | 0.7581 | 0.7721 |
| 6 | 216.82 | 2.34 | 0.8017 | 0.7455 | 0.6668 | 0.6114 | 0.5991 | 0.6265 | 0.6655 | 0.7010 | 0.7234 | 0.7412 | 0.7561 | 0.7723 | 0.7801 |
| 5 | 168.30 | 2.23 | 0.9355 | 0.8412 | 0.7605 | 0.6911 | 0.6583 | 0.7158 | 0.7592 | 0.8036 | 0.8331 | 0.8538 | 0.8703 | 0.8837 | 0.8949 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9410 | 0.8594 | 0.7867 | 0.7394 | 0.8059 | 0.8555 | 0.9063 | 0.9426 | 0.9670 | 0.9670 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9546 | 0.8838 | 0.8454 | 0.8959 | 0.9559 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9614 | 0.9752 | 0.9851 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.10. Performance data for tank crew: loader (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0138 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.0569 | 0.0154 | 0.0021 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.1285 | 0.0729 | 0.0364 | 0.0273 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.3218 | 0.1937 | 0.1213 | 0.0847 | 0.0370 | 0.0041 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.5138 | 0.3607 | 0.2629 | 0.1947 | 0.1342 | 0.0835 | 0.0285 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.6659 | 0.5596 | 0.4639 | 0.4394 | 0.3147 | 0.2723 | 0.1897 | 0.1191 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7113 | 0.6966 | 0.6608 | 0.6658 | 0.5870 | 0.5347 | 0.4905 | 0.4562 | 0.4200 | 0.0614 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.7353 | 0.7479 | 0.7597 | 0.7635 | 0.7498 | 0.6988 | 0.6822 | 0.6732 | 0.5618 | 0.3495 | 0.2957 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.7546 | 0.7517 | 0.7485 | 0.7415 | 0.7279 | 0.7002 | 0.6854 | 0.6786 | 0.6410 | 0.5654 | 0.4750 | 0.2499 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.7670 | 0.7556 | 0.7439 | 0.7247 | 0.7126 | 0.7049 | 0.6924 | 0.6897 | 0.7024 | 0.6867 | 0.5927 | 0.4524 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7762 | 0.7623 | 0.7479 | 0.7387 | 0.7332 | 0.7339 | 0.7288 | 0.7279 | 0.7572 | 0.7475 | 0.6853 | 0.5796 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.7854 | 0.7857 | 0.7881 | 0.7906 | 0.7937 | 0.7979 | 0.8010 | 0.8045 | 0.8121 | 0.8083 | 0.7780 | 0.7567 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9047 | 0.9138 | 0.9224 | 0.9308 | 0.9390 | 0.9470 | 0.9549 | 0.9627 | 0.9701 | 0.9768 | 0.9819 | 0.9879 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.11. Performance data for tank crew: driver.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4600 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.74 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8662 | 0.8348 | 0.7549 | 0.6404 | 0.5087 | 0.4528 | 0.4268 | 0.3665 | 0.2507 | 0.2286 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9969 | 0.8820 | 0.8070 | 0.7719 | 0.6674 | 0.5667 | 0.5360 | 0.4239 | 0.3568 | 0.3453 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9304 | 0.8593 | 0.8263 | 0.7543 | 0.6619 | 0.5945 | 0.4613 | 0.4229 | 0.4213 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9625 | 0.8511 | 0.7980 | 0.7194 | 0.6412 | 0.5383 | 0.4886 | 0.4815 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8895 | 0.8416 | 0.7775 | 0.6917 | 0.5996 | 0.5545 | 0.5295 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9162 | 0.8496 | 0.7944 | 0.7195 | 0.6321 | 0.5736 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9229 | 0.8419 | 0.8090 | 0.7490 | 0.6800 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9064 | 0.8678 | 0.8311 | 0.7683 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9133 | 0.8519 | 0.8149 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9938 | 0.8980 | 0.8616 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9843 | 0.9108 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9705 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.1766 | 0.1200 | 0.1554 | 0.1296 | 0.1145 | 0.1014 | 0.1006 | 0.1019 | 0.1027 | 0.0904 | 0.0929 | 0.0727 | 0.0396 |
| 16 | 2729.55 | 3.44 | 0.3152 | 0.2461 | 0.2349 | 0.1683 | 0.1430 | 0.1317 | 0.1377 | 0.1448 | 0.1484 | 0.1494 | 0.1624 | 0.1553 | 0.1261 |
| 15 | 2118.81 | 3.33 | 0.4160 | 0.3721 | 0.2936 | 0.2070 | 0.1715 | 0.1621 | 0.1749 | 0.1878 | 0.1943 | 0.2086 | 0.2321 | 0.2513 | 0.2531 |
| 14 | 1644.72 | 3.22 | 0.4703 | 0.4430 | 0.3472 | 0.2550 | 0.2223 | 0.2163 | 0.2295 | 0.2514 | 0.2756 | 0.3060 | 0.3379 | 0.3721 | 0.4298 |
| 13 | 1276.71 | 3.11 | 0.5084 | 0.4868 | 0.4010 | 0.3179 | 0.2793 | 0.2698 | 0.2840 | 0.3140 | 0.3538 | 0.3981 | 0.4371 | 0.4911 | 0.6020 |
| 12 | 991.04 | 3.00 | 0.5431 | 0.5121 | 0.4645 | 0.4084 | 0.3379 | 0.3145 | 0.3380 | 0.3630 | 0.3893 | 0.4173 | 0.4451 | 0.5864 | 0.6882 |
| 11 | 769.29 | 2.89 | 0.6229 | 0.5841 | 0.5506 | 0.5132 | 0.4680 | 0.4484 | 0.4728 | 0.4976 | 0.5210 | 0.5448 | 0.5902 | 0.6937 | 0.7595 |
| 10 | 597.16 | 2.78 | 0.7013 | 0.6541 | 0.6253 | 0.6003 | 0.5749 | 0.5516 | 0.5078 | 0.5895 | 0.6128 | 0.6366 | 0.6977 | 0.7786 | 0.8061 |
| 9 | 463.54 | 2.67 | 0.7578 | 0.7036 | 0.6667 | 0.6416 | 0.6133 | 0.5877 | 0.5824 | 0.5958 | 0.6211 | 0.6492 | 0.7171 | 0.8057 | 0.8269 |
| 8 | 359.82 | 2.56 | 0.7996 | 0.7466 | 0.7025 | 0.6712 | 0.6476 | 0.6273 | 0.6193 | 0.6306 | 0.6546 | 0.6776 | 0.7401 | 0.8194 | 0.8365 |
| 7 | 279.31 | 2.45 | 0.8304 | 0.7878 | 0.7362 | 0.6980 | 0.6800 | 0.6779 | 0.6916 | 0.7105 | 0.7309 | 0.7448 | 0.7793 | 0.8315 | 0.8431 |
| 6 | 216.82 | 2.34 | 0.8691 | 0.8290 | 0.7679 | 0.7248 | 0.7125 | 0.7343 | 0.7639 | 0.7904 | 0.8074 | 0.8201 | 0.8313 | 0.8435 | 0.8496 |
| 5 | 168.30 | 2.23 | 0.9575 | 0.8936 | 0.8557 | 0.7689 | 0.7614 | 0.8002 | 0.8341 | 0.8639 | 0.8837 | 0.8986 | 0.9105 | 0.9201 | 0.9282 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9605 | 0.9045 | 0.8565 | 0.8233 | 0.8665 | 0.9029 | 0.9369 | 0.9600 | 0.9771 | 0.9910 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9706 | 0.9248 | 0.8982 | 0.9326 | 0.9711 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9896 | 0.9837 | 0.9917 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.11. Performance data for tank crew: driver (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 (1.9) | 100.00 (2.0) | 125.89 (2.1) | 158.49 (2.2) | 199.53 (2.3) | 251.19 (2.4) | 316.23 (2.5) | 398.11 (2.6) | 501.19 (2.7) | 630.96 (2.8) | 794.33 (2.9) | 1000.00 (3.0) | 1258.93 (3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.0244 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1002 | 0.0270 | 0.0037 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2064 | 0.1120 | 0.0528 | 0.0394 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4200 | 0.2739 | 0.1665 | 0.1180 | 0.0579 | 0.0063 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.6381 | 0.4609 | 0.3363 | 0.2310 | 0.1802 | 0.1175 | 0.0468 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.7611 | 0.6529 | 0.5506 | 0.5200 | 0.3916 | 0.3562 | 0.2906 | 0.2072 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7996 | 0.7796 | 0.7454 | 0.7460 | 0.6631 | 0.6206 | 0.5865 | 0.5501 | 0.5406 | 0.0942 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.8175 | 0.8251 | 0.8325 | 0.8356 | 0.8256 | 0.7845 | 0.7702 | 0.7631 | 0.6751 | 0.4917 | 0.4072 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.8300 | 0.8286 | 0.8248 | 0.8191 | 0.8085 | 0.7860 | 0.7738 | 0.7677 | 0.7416 | 0.6843 | 0.5893 | 0.2916 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8387 | 0.8324 | 0.8188 | 0.8072 | 0.7975 | 0.7909 | 0.7613 | 0.7767 | 0.7864 | 0.7728 | 0.6749 | 0.5144 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.8463 | 0.8378 | 0.8266 | 0.8196 | 0.8153 | 0.8155 | 0.8117 | 0.8105 | 0.8311 | 0.8238 | 0.7596 | 0.6281 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.8538 | 0.9545 | 0.8564 | 0.8586 | 0.8610 | 0.8640 | 0.8666 | 0.8693 | 0.8757 | 0.8747 | 0.8406 | 0.7419 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9352 | 0.9415 | 0.9475 | 0.9533 | 0.9590 | 0.9645 | 0.9699 | 0.9751 | 0.9803 | 0.9849 | 0.9871 | 0.9893 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.12. Performance data for TOW crew: squad leader.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 (0.0) | 1.26 (0.1) | 1.58 (0.2) | 2.00 (0.3) | 2.51 (0.4) | 3.16 (0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4520.03 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8011 | 0.8267 | 0.7287 | 0.5759 | 0.4849 | 0.3699 | 0.3475 | 0.3095 | 0.2531 | 0.2130 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9965 | 0.8771 | 0.7915 | 0.7342 | 0.6381 | 0.5245 | 0.4598 | 0.4039 | 0.3098 | 0.2668 |
| 15 | 2119.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9287 | 0.8545 | 0.8157 | 0.7282 | 0.6141 | 0.5307 | 0.4573 | 0.3665 | 0.3199 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9612 | 0.8445 | 0.7810 | 0.6836 | 0.5874 | 0.4933 | 0.4231 | 0.3863 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8848 | 0.8346 | 0.7543 | 0.6488 | 0.5368 | 0.4809 | 0.4518 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9140 | 0.8424 | 0.7749 | 0.6827 | 0.5755 | 0.5055 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9242 | 0.8327 | 0.7939 | 0.7216 | 0.6374 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9037 | 0.8628 | 0.8229 | 0.7459 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9106 | 0.8462 | 0.8011 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9937 | 0.8949 | 0.8560 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9838 | 0.9111 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9702 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61. 1 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 (0.6) | 5.01 (0.7) | 6.31 (0.8) | 7.94 (0.9) | 10.00 (1.0) | 12.59 (1.1) | 15.85 (1.2) | 19.95 (1.3) | 25.12 (1.4) | 31.62 (1.5) | 39.81 (1.6) | 50.12 (1.7) | 63.10 (1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4520.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1694 | 0.1080 | 0.0683 | 0.0745 | 0.0642 | 0.0551 | 0.0586 | 0.0661 | 0.0750 | 0.0860 | 0.1142 | 0.1166 | [illegible] |
| 16 | 2729.55 | 3.44 | 0.2213 | 0.1673 | 0.1303 | 0.0909 | 0.0749 | 0.0670 | 0.0678 | 0.0768 | 0.0968 | 0.1285 | 0.1715 | 0.2009 | [illegible] |
| 15 | 2119.81 | 3.33 | 0.2733 | 0.2257 | 0.1722 | 0.1072 | 0.0857 | 0.0790 | 0.0770 | 0.0877 | 0.1188 | 0.1711 | 0.2289 | 0.2760 | 0.3249 |
| 14 | 1644.72 | 3.22 | 0.3509 | 0.3078 | 0.2245 | 0.1455 | 0.1230 | 0.1194 | 0.1227 | 0.1441 | 0.1783 | 0.2366 | 0.2867 | 0.3559 | 0.4262 |
| 13 | 1276.71 | 3.11 | 0.4262 | 0.3863 | 0.2699 | 0.2105 | 0.1771 | 0.1689 | 0.1803 | 0.2051 | 0.2375 | 0.2992 | 0.3411 | [illegible] | 0.5276 |
| 12 | 991.04 | 3.00 | 0.4687 | 0.4302 | 0.3765 | 0.3175 | 0.2473 | 0.2214 | 0.2427 | 0.2664 | 0.2920 | 0.3209 | 0.3483 | [illegible] | 0.6308 |
| 11 | 769.29 | 2.89 | 0.5671 | 0.5192 | 0.4795 | 0.4367 | 0.3883 | 0.3660 | 0.3911 | 0.4166 | 0.4412 | 0.4665 | 0.5194 | 0.6460 | 0.7255 |
| 10 | 597.16 | 2.78 | 0.6634 | 0.6045 | 0.5674 | 0.5358 | 0.5035 | 0.4765 | 0.4938 | 0.5177 | 0.5441 | 0.5714 | 0.6463 | 0.7470 | 0.7779 |
| 9 | 463.54 | 2.67 | 0.7319 | 0.6651 | 0.6174 | 0.5846 | 0.5501 | 0.5182 | 0.5102 | 0.5246 | 0.5535 | 0.5858 | 0.6691 | 0.7772 | 0.7934 |
| 8 | 359.82 | 2.56 | 0.7822 | 0.7176 | 0.6613 | 0.6218 | 0.5914 | 0.5658 | 0.5549 | 0.5671 | 0.5958 | 0.6268 | 0.6984 | 0.7567 | 0.8088 |
| 7 | 279.31 | 2.45 | 0.8237 | 0.7679 | 0.7042 | 0.6566 | 0.6324 | 0.6296 | 0.6443 | 0.6560 | 0.6903 | 0.7129 | 0.7504 | 0.8146 | 0.8242 |
| 6 | 216.82 | 2.34 | 0.8653 | 0.8181 | 0.7471 | 0.6915 | 0.6733 | 0.7001 | 0.7338 | 0.7649 | 0.7847 | 0.8012 | 0.8161 | 0.8325 | 0.8404 |
| 5 | 168.30 | 2.23 | 0.9564 | 0.8872 | 0.8207 | 0.7664 | 0.7368 | 0.7776 | 0.8180 | 0.8480 | 0.8785 | 0.8881 | 0.9027 | 0.9148 | 0.9246 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9581 | 0.8972 | 0.8452 | 0.8121 | 0.8553 | 0.8968 | 0.9297 | 0.9660 | 0.9747 | 0.9902 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9700 | 0.9247 | 0.8958 | 0.9320 | 0.9708 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9909 | 0.9833 | 0.9923 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.12. Performance data for TOW crew: squad leader (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.0789 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.2463 | 0.1194 | 0.0264 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.3758 | 0.2669 | 0.1483 | 0.0704 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.4897 | 0.3079 | 0.2595 | 0.1314 | 0.0455 | 0.0056 | 0.0010 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.6040 | 0.5112 | 0.3780 | 0.2062 | 0.1528 | 0.0889 | 0.0527 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.7224 | 0.6670 | 0.6081 | 0.5239 | 0.3331 | 0.2361 | 0.1480 | 0.0768 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | [illegible]9.29 | 2.89 | 0.7803 | 0.7690 | 0.7567 | 0.7262 | 0.5936 | 0.5050 | 0.4137 | 0.3528 | 0.3091 | 0.0461 | 0.0000 | 0.0000 | 0.0000 |
| 10 | [illegible]7.16 | 2.78 | 0.7963 | 0.8035 | 0.8058 | 0.7955 | 0.7655 | 0.7160 | 0.6374 | 0.5560 | 0.4417 | 0.2655 | 0.2144 | 0.0000 | 0.0000 |
| 9 | [illegible]3.54 | 2.67 | 0.8004 | 0.8032 | 0.8040 | 0.7995 | 0.7874 | 0.7720 | 0.7245 | 0.6206 | 0.5409 | 0.4483 | 0.3973 | 0.2349 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8051 | 0.8040 | 0.8037 | 0.8045 | 0.8094 | 0.8024 | 0.7738 | 0.6860 | 0.6395 | 0.5881 | 0.5287 | 0.4520 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.8167 | 0.8161 | 0.8157 | 0.8175 | 0.8312 | 0.8285 | 0.8133 | 0.7581 | 0.7377 | 0.7021 | 0.6526 | 0.5690 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.8446 | 0.8478 | 0.8495 | 0.8503 | 0.8534 | 0.8546 | 0.8528 | 0.8441 | 0.8358 | 0.8160 | 0.7765 | 0.7061 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9326 | 0.9392 | 0.9449 | 0.9502 | 0.9555 | 0.9608 | 0.9658 | 0.9704 | 0.9746 | 0.9783 | 0.9820 | 0.9879 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.13. Performance data for TOW crew: gunner.

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 (0.0) | 1.26 (0.1) | 1.58 (0.2) | 2.00 (0.3) | 2.51 (0.4) | 3.16 (0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 1.0000 | 1.0000 | 0.8694 | 0.6263 | 0.4900 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8329 | 0.7716 | 0.6532 | 0.4716 | 0.3696 | 0.2700 | 0.2328 | 0.2046 | 0.1678 | 0.1421 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9918 | 0.8582 | 0.7306 | 0.6381 | 0.5254 | 0.4003 | 0.3452 | 0.2926 | 0.2130 | 0.1802 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9062 | 0.8083 | 0.7580 | 0.6516 | 0.5208 | 0.4335 | 0.3509 | 0.2582 | 0.2184 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9489 | 0.7955 | 0.7165 | 0.5607 | 0.4949 | 0.3914 | 0.3118 | 0.2866 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8509 | 0.7819 | 0.6627 | 0.5621 | 0.4400 | 0.3805 | 0.3538 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.5867 | 0.7930 | 0.7094 | 0.5996 | 0.4819 | 0.4087 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9002 | 0.7812 | 0.7310 | 0.6491 | 0.5515 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8731 | 0.8192 | 0.7668 | 0.6726 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8822 | 0.7974 | 0.7411 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9917 | 0.8615 | 0.8098 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9787 | 0.8801 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9603 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 3.98 (0.6) | 5.01 (0.7) | 6.31 (0.8) | 7.94 (0.9) | 10.00 (1.0) | 12.59 (1.1) | 15.85 (1.2) | 19.95 (1.3) | 25.12 (1.4) | 31.62 (1.5) | 39.81 (1.6) | 50.12 (1.7) | 63.10 (1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1126 | 0.0717 | 0.0566 | 0.0478 | 0.0412 | 0.0355 | 0.0381 | 0.0431 | 0.0492 | 0.0547 | 0.0739 | 0.0717 | 0.0565 |
| 16 | 2729.55 | 3.44 | 0.1480 | 0.1119 | 0.0656 | 0.0593 | 0.0490 | 0.0440 | 0.0446 | 0.0511 | 0.0653 | 0.0879 | 0.1200 | 0.1367 | 0.1385 |
| 15 | 2118.81 | 3.33 | 0.1651 | 0.1572 | 0.1145 | 0.0709 | 0.0567 | 0.0526 | 0.0515 | 0.0592 | 0.0815 | 0.1212 | 0.1661 | 0.2002 | 0.2355 |
| 14 | 1644.72 | 3.22 | 0.2590 | 0.2213 | 0.1547 | 0.0985 | 0.0833 | 0.0810 | 0.0834 | 0.0983 | 0.1258 | 0.1794 | 0.2220 | 0.2632 | 0.3449 |
| 13 | 1276.71 | 3.11 | 0.3307 | 0.2888 | 0.2097 | 0.1493 | 0.1254 | 0.1198 | 0.1288 | 0.1489 | 0.1759 | 0.2350 | 0.2745 | 0.3278 | 0.4541 |
| 12 | 991.04 | 3.00 | 0.3731 | 0.3353 | 0.2491 | 0.2414 | 0.1862 | 0.1660 | 0.1848 | 0.2049 | 0.2270 | 0.2554 | 0.2808 | 0.4333 | 0.5566 |
| 11 | 769.29 | 2.89 | 0.4738 | 0.4227 | 0.3658 | 0.3486 | 0.3084 | 0.2924 | 0.3169 | 0.3418 | 0.3663 | 0.3916 | 0.4481 | 0.5742 | 0.6567 |
| 10 | 597.16 | 2.78 | 0.5754 | 0.5084 | 0.4701 | 0.4390 | 0.4054 | 0.3697 | 0.4047 | 0.4335 | 0.4614 | 0.4905 | 0.5727 | 0.6816 | 0.7186 |
| 9 | 463.54 | 2.67 | 0.6553 | 0.5766 | 0.5237 | 0.4892 | 0.4541 | 0.4285 | 0.4247 | 0.4408 | 0.4712 | 0.5061 | 0.5961 | 0.7115 | 0.7351 |
| 8 | 359.82 | 2.56 | 0.7176 | 0.6395 | 0.5744 | 0.5303 | 0.4994 | 0.4740 | 0.4658 | 0.4865 | 0.5110 | 0.5442 | 0.6268 | 0.7357 | 0.7519 |
| 7 | 279.31 | 2.45 | 0.7702 | 0.7008 | 0.6240 | 0.5689 | 0.5437 | 0.5410 | 0.5612 | 0.5931 | 0.6153 | 0.6376 | 0.6653 | 0.7593 | 0.7693 |
| 6 | 216.82 | 2.34 | 0.8227 | 0.7622 | 0.6737 | 0.6075 | 0.5980 | 0.6193 | 0.6610 | 0.6997 | 0.7240 | 0.7439 | 0.7625 | 0.7828 | 0.7915 |
| 5 | 168.30 | 2.23 | 0.9426 | 0.8523 | 0.7679 | 0.7012 | 0.6629 | 0.7161 | 0.7615 | 0.8047 | 0.8333 | 0.8556 | 0.8742 | 0.8895 | 0.9021 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9451 | 0.8664 | 0.8001 | 0.7556 | 0.8134 | 0.8620 | 0.9096 | 0.9426 | 0.9674 | 0.9873 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9603 | 0.8983 | 0.8628 | 0.9100 | 0.9616 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9875 | 0.9780 | 0.9895 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.13. Performance data for TOW crew: gunner (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.74 | 3.55 | 0.0487 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1600 | 0.0071 | 0.0101 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2119.91 | 3.33 | 0.2715 | 0.2000 | 0.1063 | 0.0516 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1640.72 | 3.22 | 0.4020 | 0.3195 | 0.2034 | 0.1032 | 0.0331 | 0.0036 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.5323 | 0.4504 | 0.3513 | 0.1711 | 0.1179 | 0.0629 | 0.0234 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.6542 | 0.5993 | 0.5449 | 0.4612 | 0.2713 | 0.1628 | 0.1043 | 0.0503 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7185 | 0.7065 | 0.6985 | 0.6009 | 0.5284 | 0.4361 | 0.3437 | 0.2882 | 0.2563 | 0.0355 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.7392 | 0.7460 | 0.7483 | 0.7358 | 0.7009 | 0.6413 | 0.5537 | 0.4702 | 0.3609 | 0.2083 | 0.1620 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.7434 | 0.7465 | 0.7468 | 0.7414 | 0.7272 | 0.7686 | 0.6503 | 0.5386 | 0.4584 | 0.3681 | 0.3159 | 0.2025 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.7496 | 0.7462 | 0.7484 | 0.7485 | 0.7534 | 0.7442 | 0.7096 | 0.6091 | 0.5561 | 0.5067 | 0.4519 | 0.3833 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7624 | 0.7620 | 0.7619 | 0.7640 | 0.7797 | 0.7758 | 0.7559 | 0.6864 | 0.6567 | 0.6303 | 0.5670 | 0.5295 | 0.4458 |
| 6 | 216.82 | 2.34 | 0.7979 | 0.8019 | 0.8039 | 0.8046 | 0.8071 | 0.8074 | 0.8022 | 0.7871 | 0.7726 | 0.7538 | 0.7221 | 0.6758 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9123 | 0.9209 | 0.9283 | 0.9351 | 0.9417 | 0.9480 | 0.9539 | 0.9594 | 0.9649 | 0.9707 | 0.9775 | 0.9866 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.14. Performance data for TOW crew: driver.

| GRID LINE | DOSE | LOG(DOSE) | 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.9099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.9586 | 0.9226 | 0.8536 | 0.7158 | 0.6178 | 0.5125 | 0.4603 | 0.4101 | 0.3459 | 0.2845 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9459 | 0.8954 | 0.8625 | 0.7782 | 0.6686 | 0.5900 | 0.5267 | 0.4122 | 0.3470 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9698 | 0.9371 | 0.9149 | 0.8510 | 0.7536 | 0.6608 | 0.5823 | 0.4782 | 0.4095 |
| 14 | 1644.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9832 | 0.9308 | 0.8685 | 0.8105 | 0.7171 | 0.6209 | 0.5421 | 0.4880 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9521 | 0.9254 | 0.8678 | 0.7767 | 0.6666 | 0.6072 | 0.5655 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9638 | 0.9291 | 0.8619 | 0.8084 | 0.7055 | 0.6295 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9073 | 0.9218 | 0.8988 | 0.8351 | 0.7639 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9588 | 0.9402 | 0.9208 | 0.0730 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9615 | 0.9527 | 0.9088 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9473 | 0.9548 | 0.9357 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9431 | 0.9618 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9679 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.2195 | 0.1305 | 0.0989 | 0.0809 | 0.0677 | 0.0561 | 0.0551 | 0.0638 | 0.0798 | 0.1032 | 0.1519 | 0.1439 | 0.1124 |
| 16 | 2729.55 | 3.44 | 0.2828 | 0.2059 | 0.1526 | 0.0995 | 0.0793 | 0.0689 | 0.0663 | 0.0766 | 0.1059 | 0.1538 | 0.2202 | 0.2665 | 0.2792 |
| 15 | 2118.81 | 3.33 | 0.3462 | 0.2615 | 0.2064 | 0.1181 | 0.0908 | 0.0818 | 0.0776 | 0.0896 | 0.1321 | 0.2046 | 0.2844 | 0.3634 | 0.4450 |
| 14 | 1644.72 | 3.22 | 0.4366 | 0.3834 | 0.2754 | 0.1684 | 0.1583 | 0.1330 | 0.1367 | 0.1635 | 0.2050 | 0.2800 | 0.3483 | 0.4174 | 0.5360 |
| 13 | 1276.71 | 3.11 | 0.5252 | 0.4819 | 0.3600 | 0.2535 | 0.2075 | 0.1953 | 0.2092 | 0.2391 | 0.2774 | 0.3520 | 0.4007 | 0.4758 | 0.6277 |
| 12 | 991.04 | 3.00 | 0.5823 | 0.5545 | 0.4668 | 0.3909 | 0.2966 | 0.2608 | 0.2859 | 0.3149 | 0.3440 | 0.3777 | 0.4092 | 0.6100 | 0.7365 |
| 11 | 769.29 | 2.89 | 0.6963 | 0.6434 | 0.5956 | 0.5431 | 0.4808 | 0.4496 | 0.4767 | 0.5042 | 0.5300 | 0.5563 | 0.6098 | 0.7487 | 0.8297 |
| 10 | 597.16 | 2.78 | 0.7999 | 0.7427 | 0.7012 | 0.6643 | 0.6264 | 0.5911 | 0.6076 | 0.6317 | 0.6574 | 0.6835 | 0.7557 | 0.8517 | 0.8761 |
| 9 | 463.54 | 2.67 | 0.8554 | 0.7976 | 0.7510 | 0.7117 | 0.6746 | 0.6371 | 0.6251 | 0.6385 | 0.6667 | 0.6971 | 0.7748 | 0.8738 | 0.8867 |
| 8 | 359.82 | 2.56 | 0.8094 | 0.8414 | 0.7894 | 0.7503 | 0.7170 | 0.6906 | 0.6696 | 0.6789 | 0.7059 | 0.7355 | 0.8054 | 0.8883 | 0.8973 |
| 7 | 279.31 | 2.45 | 0.9157 | 0.8785 | 0.8279 | 0.7865 | 0.7592 | 0.7561 | 0.7570 | 0.7724 | 0.7926 | 0.8131 | 0.8541 | 0.9012 | 0.9078 |
| 6 | 216.82 | 2.34 | 0.9420 | 0.9138 | 0.8663 | 0.8227 | 0.8014 | 0.8215 | 0.8444 | 0.8659 | 0.8793 | 0.8908 | 0.9029 | 0.9141 | 0.9200 |
| 5 | 168.30 | 2.23 | 0.9615 | 0.9491 | 0.9075 | 0.8713 | 0.8532 | 0.8605 | 0.9067 | 0.9223 | 0.9460 | 0.9528 | 0.9511 | 0.9565 | 0.9625 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9841 | 0.9490 | 0.9210 | 0.9059 | 0.9313 | 0.9527 | 0.9648 | 0.9889 | 0.9938 | 0.9965 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9675 | 0.9688 | 0.9575 | 0.9720 | 0.9880 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9969 | 0.9953 | 0.9974 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.14. Performance data for TOW crew: driver (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1258.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.03 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1012 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.3516 | 0.1702 | 0.0375 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.5324 | 0.3602 | 0.2105 | 0.0087 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.6221 | 0.4985 | 0.3302 | 0.1497 | 0.0474 | 0.0055 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.7133 | 0.6194 | 0.4597 | 0.2242 | 0.1694 | 0.0940 | 0.0303 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.8242 | 0.7765 | 0.7214 | 0.6232 | 0.3919 | 0.2678 | 0.1611 | 0.0779 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.8761 | 0.8672 | 0.8601 | 0.8322 | 0.6789 | 0.5799 | 0.4769 | 0.4067 | 0.3567 | 0.0510 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.8890 | 0.8938 | 0.8961 | 0.8894 | 0.8652 | 0.8190 | 0.7374 | 0.6480 | 0.5202 | 0.2983 | 0.2360 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.8917 | 0.8936 | 0.8944 | 0.8914 | 0.8618 | 0.8694 | 0.8257 | 0.7183 | 0.6313 | 0.5170 | 0.4681 | 0.2756 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.8961 | 0.8945 | 0.8946 | 0.8951 | 0.8984 | 0.8934 | 0.8689 | 0.7886 | 0.7374 | 0.6924 | 0.6134 | 0.4949 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.9050 | 0.9056 | 0.9056 | 0.9066 | 0.9150 | 0.9128 | 0.9005 | 0.8589 | 0.8391 | 0.8172 | 0.7386 | 0.6251 | 0.4456 |
| 6 | 216.82 | 2.34 | 0.9239 | 0.9266 | 0.9280 | 0.9291 | 0.9315 | 0.9322 | 0.9320 | 0.9292 | 0.9261 | 0.9135 | 0.8639 | 0.7552 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9672 | 0.9709 | 0.9739 | 0.9766 | 0.9795 | 0.9819 | 0.9845 | 0.9894 | 0.9919 | 0.9928 | 0.9894 | 0.9900 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.15. Performance data for TOW crew: loader.

| GRID LINE | DOSE | LOG(DOSE) | 0.20 (-0.7) | 0.25 (-0.6) | 0.32 (-0.5) | 0.40 (-0.4) | 0.50 (-0.3) | 0.63 (-0.2) | 0.79 (-0.1) | 1.00 ( 0.0) | 1.26 ( 0.1) | 1.58 ( 0.2) | 2.00 ( 0.3) | 2.51 ( 0.4) | 3.16 ( 0.5) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 1.0000 | 1.0000 | 0.8099 | 0.6263 | 0.4800 | 0.3635 | 0.2706 | 0.1967 | 0.1378 | 0.0909 | 0.0535 | 0.0237 | 0.0000 |
| 17 | 3516.34 | 3.55 | 1.0000 | 1.0000 | 1.0000 | 0.8907 | 0.8361 | 0.7020 | 0.4681 | 0.3435 | 0.2639 | 0.2312 | 0.2009 | 0.1638 | 0.1360 |
| 16 | 2729.55 | 3.44 | 1.0000 | 1.0000 | 1.0000 | 0.9972 | 0.8849 | 0.7834 | 0.6593 | 0.5230 | 0.4046 | 0.3367 | 0.2689 | 0.2054 | 0.1730 |
| 15 | 2118.81 | 3.33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9306 | 0.8649 | 0.8185 | 0.7019 | 0.5450 | 0.4244 | 0.3231 | 0.2470 | 0.2110 |
| 14 | 1640.72 | 3.22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9640 | 0.8515 | 0.7710 | 0.6352 | 0.5005 | 0.3740 | 0.3035 | 0.2675 |
| 13 | 1276.71 | 3.11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.8964 | 0.8402 | 0.7275 | 0.5835 | 0.4347 | 0.3786 | 0.3282 |
| 12 | 991.04 | 3.00 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9211 | 0.8490 | 0.7569 | 0.6293 | 0.4862 | 0.3900 |
| 11 | 769.29 | 2.89 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9298 | 0.8338 | 0.7844 | 0.6916 | 0.5782 |
| 10 | 597.16 | 2.78 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9112 | 0.8720 | 0.8324 | 0.7387 |
| 9 | 463.54 | 2.67 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9172 | 0.8565 | 0.8062 |
| 8 | 359.82 | 2.56 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9942 | 0.9028 | 0.8630 |
| 7 | 279.31 | 2.45 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9851 | 0.9185 |
| 6 | 216.82 | 2.34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9739 |
| 5 | 168.30 | 2.23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

| GRID LINE | DOSE | LOG(DOSE) | 3.98 ( 0.6) | 5.01 ( 0.7) | 6.31 ( 0.8) | 7.94 ( 0.9) | 10.00 ( 1.0) | 12.59 ( 1.1) | 15.85 ( 1.2) | 19.95 ( 1.3) | 25.12 ( 1.4) | 31.62 ( 1.5) | 39.81 ( 1.6) | 50.12 ( 1.7) | 63.10 ( 1.8) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | TIME GRID LINES (HRS) | | | | | | | | | | | | |
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.1017 | 0.0573 | 0.0392 | 0.0306 | 0.0250 | 0.0207 | 0.0216 | 0.0248 | 0.0288 | 0.0338 | 0.0459 | 0.0448 | 0.0340 |
| 16 | 2729.55 | 3.44 | 0.1389 | 0.0981 | 0.0660 | 0.0401 | 0.0311 | 0.0271 | 0.0269 | 0.0313 | 0.0406 | 0.0555 | 0.0781 | 0.0961 | 0.1065 |
| 15 | 2118.81 | 3.33 | 0.1762 | 0.1390 | 0.0940 | 0.0495 | 0.0372 | 0.0335 | 0.0323 | 0.0379 | 0.0526 | 0.0773 | 0.1103 | 0.1475 | 0.1956 |
| 14 | 1640.72 | 3.22 | 0.2378 | 0.1986 | 0.1308 | 0.0711 | 0.0574 | 0.0555 | 0.0571 | 0.0699 | 0.0900 | 0.1225 | 0.1545 | 0.1979 | 0.2923 |
| 13 | 1276.71 | 3.11 | 0.2984 | 0.2567 | 0.1779 | 0.1116 | 0.0889 | 0.0828 | 0.0896 | 0.1057 | 0.1271 | 0.1656 | 0.1959 | 0.2517 | 0.4011 |
| 12 | 991.04 | 3.00 | 0.3442 | 0.2952 | 0.2402 | 0.1674 | 0.1329 | 0.1113 | 0.1253 | 0.1418 | 0.1600 | 0.1805 | 0.2003 | 0.3814 | 0.5221 |
| 11 | 769.29 | 2.89 | 0.4006 | 0.4118 | 0.3630 | 0.3155 | 0.2684 | 0.2462 | 0.2687 | 0.2916 | 0.3144 | 0.3381 | 0.4031 | 0.5570 | 0.6493 |
| 10 | 597.16 | 2.78 | 0.6143 | 0.5265 | 0.4674 | 0.4235 | 0.3787 | 0.3535 | 0.3701 | 0.3943 | 0.4226 | 0.4525 | 0.5528 | 0.6899 | 0.7361 |
| 9 | 463.54 | 2.67 | 0.7055 | 0.6106 | 0.5324 | 0.4835 | 0.4353 | 0.3987 | 0.3871 | 0.4011 | 0.4326 | 0.4685 | 0.5770 | 0.7238 | 0.7577 |
| 8 | 359.82 | 2.56 | 0.7703 | 0.6618 | 0.5973 | 0.5390 | 0.4920 | 0.4574 | 0.4444 | 0.4569 | 0.4888 | 0.5254 | 0.6168 | 0.7548 | 0.7795 |
| 7 | 279.31 | 2.45 | 0.8227 | 0.7490 | 0.6621 | 0.5954 | 0.5499 | 0.5482 | 0.5656 | 0.5905 | 0.6184 | 0.6471 | 0.6967 | 0.7830 | 0.8006 |
| 6 | 216.82 | 2.34 | 0.8752 | 0.8170 | 0.7269 | 0.6519 | 0.6128 | 0.6451 | 0.6867 | 0.7241 | 0.7480 | 0.7689 | 0.7893 | 0.8112 | 0.8230 |
| 5 | 168.30 | 2.23 | 0.9600 | 0.8880 | 0.8096 | 0.7439 | 0.7096 | 0.7446 | 0.7971 | 0.8305 | 0.8675 | 0.8851 | 0.8890 | 0.9043 | 0.9170 |
| 4 | 130.64 | 2.12 | 1.0000 | 0.9584 | 0.8941 | 0.8392 | 0.8088 | 0.8441 | 0.8937 | 0.9237 | 0.9677 | 0.9819 | 0.9688 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 0.9728 | 0.9317 | 0.9068 | 0.9399 | 0.9741 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 0.9928 | 0.9892 | 0.9940 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

Table J.15. Performance data for TOW crew: loader (Concluded).

| GRID LINE | DOSE | LOG(DOSE) | TIME GRID LINES (HRS) 79.43 ( 1.9) | 100.00 ( 2.0) | 125.89 ( 2.1) | 158.49 ( 2.2) | 199.53 ( 2.3) | 251.19 ( 2.4) | 316.23 ( 2.5) | 398.11 ( 2.6) | 501.19 ( 2.7) | 630.96 ( 2.8) | 794.33 ( 2.9) | 1000.00 ( 3.0) | 1256.93 ( 3.1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 4529.93 | 3.66 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 3516.34 | 3.55 | 0.0328 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 2729.55 | 3.44 | 0.1382 | 0.0655 | 0.0117 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 2118.81 | 3.33 | 0.2507 | 0.1687 | 0.0895 | 0.0376 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 1644.72 | 3.22 | 0.3661 | 0.2739 | 0.1704 | 0.0756 | 0.0231 | 0.0026 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 1276.71 | 3.11 | 0.4936 | 0.4027 | 0.2654 | 0.1324 | 0.0907 | 0.0489 | 0.0163 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 991.04 | 3.00 | 0.6472 | 0.5660 | 0.5264 | 0.4434 | 0.2286 | 0.1504 | 0.0791 | 0.0354 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 769.29 | 2.89 | 0.7331 | 0.7216 | 0.7098 | 0.6799 | 0.5333 | 0.4280 | 0.3332 | 0.2823 | 0.2319 | 0.0239 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 597.16 | 2.78 | 0.7614 | 0.7729 | 0.7600 | 0.7728 | 0.7358 | 0.6491 | 0.5523 | 0.4722 | 0.3505 | 0.1770 | 0.1342 | 0.0000 | 0.0000 |
| 9 | 463.54 | 2.67 | 0.7684 | 0.7725 | 0.7747 | 0.7708 | 0.7535 | 0.7134 | 0.6482 | 0.5399 | 0.4559 | 0.3537 | 0.2990 | 0.1957 | 0.0914 |
| 8 | 359.82 | 2.56 | 0.7776 | 0.7750 | 0.7737 | 0.7723 | 0.7726 | 0.7613 | 0.7185 | 0.6175 | 0.5667 | 0.5184 | 0.4581 | 0.3783 | 0.2716 |
| 7 | 279.31 | 2.45 | 0.7948 | 0.7953 | 0.7956 | 0.7956 | 0.8008 | 0.8074 | 0.7651 | 0.7237 | 0.6945 | 0.6641 | 0.6138 | 0.5400 | 0.4450 |
| 6 | 216.82 | 2.34 | 0.8317 | 0.8380 | 0.8424 | 0.8454 | 0.8490 | 0.8535 | 0.8518 | 0.8427 | 0.8309 | 0.8097 | 0.7695 | 0.7017 | 0.6200 |
| 5 | 168.30 | 2.23 | 0.9272 | 0.9357 | 0.9428 | 0.9491 | 0.9552 | 0.9610 | 0.9661 | 0.9705 | 0.9744 | 0.9779 | 0.9817 | 0.9878 | 1.0000 |
| 4 | 130.64 | 2.12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 3 | 101.41 | 2.01 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | 78.72 | 1.90 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 1 | 61.11 | 1.79 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

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ATTN: DB-1, Rsch, Sov Wpn Div, G. Ferrell
ATTN: DB-6, Rsch, Tgt Intell Div, R. Mann
ATTN: DE, Estimates
ATTN: DIA/VPA-2, Fed Res Div
ATTN: DN
ATTN: DT
ATTN: DT, Sci-Tech Intell
ATTN: Ofc of Security
ATTN: CS
ATTN: OS1B
ATTN: RTS-2B
ATTN: RTS-2C, Tech Svcs & Spt
5 cys ATTN: DB-4, Rsch, Resources Div

Defense Intell College
ATTN: DIC/RTS-2
ATTN: DIC-2C

Defense Logistics Agency
ATTN: Command Security Ofc

Defense Nuclear Agency
ATTN: CID
ATTN: NASF
ATTN: NATF
ATTN: NAWE
ATTN: OAIS
ATTN: RAEE
ATTN: STNA
ATTN: STRA
ATTN: STSP
2 cys ATTN: OAOP
4 cys ATTN: STTI-CA
216 cys ATTN: OPNS

DEPARTMENT OF DEFENSE (Continued)

Defense Tech Info Ctr
2 cys ATTN: DD

Dep Under Sec of Def, Cmd, Contl, Comm & Intell
ATTN: Tactical Intell Sys

Dep Under Sec of Def, S&TNF
ATTN: T. Jones

Field Command, DNA, Det 2
Lawrence Livermore National Lab
ATTN: FC-1

DOD Salt Task Force
ATTN: Dir, Nuc Policy

Field Command, Defense Nuclear Agency
ATTN: FCPR
ATTN: FCTT, W. Summa
ATTN: FCTXE
ATTN: Nuc Security
3 cys ATTN: FCPRT

Intelligence Ctr, Pacific
ATTN: COMIPAC

Interservice Nuc Wpns School
ATTN: TTV
2 cys ATTN: TTV 3416th TTSQ

Joint Chiefs of Staff
ATTN: ED30, J-3, Strat Ops Div
ATTN: GD10, J-5, Nuc & Chem Div
ATTN: J-3, Strat Opns Div
ATTN: J-5, Strat Div, W. McClain
ATTN: JAD/SFD
ATTN: JAD/SSD
ATTN: JSOA
ATTN: SAGA
3 cys ATTN: J-3, Special Opns
3 cys ATTN: J-5, Nuc Div/Strat Div/FP&P Div
3 cys ATTN: J-5, Plans & Plcy/Nuc Chem Div

Joint Data System Support Ctr
ATTN: C-312
ATTN: C-332
ATTN: C-343

Joint Strat Tgt Planning Staff
ATTN: JLKS
ATTN: JLT
ATTN: JP
ATTN: JPPFD
ATTN: JPTP
2 cys ATTN: JLK, DNA Rep

National Defense University
ATTN: ICAF, Tech Lib
ATTN: NWCLB-CR
ATTN: Stop 315, Library
ATTN: Strat Concepts Div Ctr

National Security Agency
ATTN: A12, F. Newton
ATTN: Chief, A Group

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DEPARTMENT OF DEFENSE (Continued)

Ofc of the Sec of Def, Net Assessments
ATTN: Doc Control

Program Analysis & Evaluation
ATTN: Naval Forces
2 cys ATTN: Regional Programs
2 cys ATTN: Strategic Programs

US European Command
ATTN: ECJ-LW
ATTN: ECJ-2
ATTN: ECJ-2-ITD
ATTN: ECJ-3
ATTN: ECJ-5
ATTN: ECJ5-N, Nuc Div
ATTN: ECJ-6
ATTN: ECJ2-T, Tgts Div
2 cys ATTN: ECCS/SASM
2 cys ATTN: ECJ-7 LW

US National Mil Representative, SHAPE
ATTN: US Documents Officer

Under Sec of Def for Policy
ATTN: DUSP/P
ATTN: USD/P

Under Secy of Def for Rsch & Engrg
ATTN: Tactical Warfare Prog
ATTN: Chairman, Def Sci Brd
ATTN: Strat & Space Sys (OS)
ATTN: Strat & Theater Nuc Forces, F. Vajda
2 cys ATTN: C3I
10 cys ATTN: Chairman, PSEAG

DEPARTMENT OF THE ARMY

Army Research Institute
ATTN: Commander

BMD Program Office
ATTN: DACS-BM, J. Kahlas, 13101

Combat Material Eval Element
ATTN: Security Analyst

Dep Ch of Staff for Ops & Plans
ATTN: DAMO-NC, Nuc Chem Dir
ATTN: DAMO-NCN
ATTN: DAMO-RQS
ATTN: DAMO-ZXA

Dep Ch of Staff for Rsch, Dev & Acq
ATTN: DAMA-CSS-N

Dept of the Army
ATTN: DAMA-CSS-N
ATTN: DAMI-CI
ATTN: DAMO-NCZ
ATTN: DAMO-OD
ATTN: DAMO-ODSO
3 cys ATTN: DAPE-HRE

Eighth US Army
ATTN: CJ-POX-NS

Harry Diamond Laboratories
ATTN: DELHD-NW-P
ATTN: DELHD-TA-L, 81100, Tech Lib

DEPARTMENT OF THE ARMY (Continued)

Joint Strategic Opns Ctr
2 cys ATTN: J-2
2 cys ATTN: J-5

Military Traffic Mgt Command
ATTN: Ofc of Security & Safety

Seneca Army Depot
ATTN: Provost Marshal
ATTN: SDSSE-PO
ATTN: Surety

Sierra Army Depot
ATTN: Security Opns

Southern European Task Force
ATTN: AESE-GCT-S

US Army Air Defense School
ATTN: Commandant

US Army Armament Rsch Dev & Cmd
2 cys ATTN: DRDAR-LCN-F

US Army Armor School
ATTN: ATSB-CTD
ATTN: Tech Library

US Army Ballistic Research Lab
ATTN: AMXBR-VLD, Dr. Klopcic
ATTN: DRDAR-BL
ATTN: DRDAR-BLA-S, Tech Lib
ATTN: DRDAR-BLT
ATTN: DRDAR-BLV-R, Dr. Rainis

US Army Belvoir R&D Ctr
ATTN: DRCPM-PSE

US Army Comb Arms Combat Dev Acty
ATTN: ATZL-CAP

US Army Comd & General Staff College
ATTN: Acq Library Div
ATTN: ATSW-TA-D
ATTN: ATZL-SWJ-CA
ATTN: ATZL-SWS-L, D. Dorris

US Army Concepts Analysis Agency
ATTN: CSSA-ADL, Tech Lib

US Army Corps of Engineers
ATTN: Security & Law Enforcement

US Army Criminal Investigation Cmd
ATTN: Commander

US Army Elct Warfare Lab
ATTN: DELEW-I-S

US Army Electronic Proving Ground
ATTN: STEEP-PA-I

US Army Europe & Seventh Army
ATTN: AEACC-ND
ATTN: AEAGC
ATTN: Provost Marshal
2 cys ATTN: AEAGD-MM-SW
2 cys ATTN: AEAPM-PS
2 cys ATTN: DCSI
2 cys ATTN: DCSOPS

DEPARTMENT OF THE ARMY (Continued)

US Army Field Artillery School
ATTN: ATSF-CD

US Army Forces Command
ATTN: AF-OPTS

US Army Human Engineering Lab
ATTN. Director

US Army Infantry Ctr & Sch
ATTN: ATSH-CD-CSO

US Army Intel Threat Analysis Det
2 cys ATTN: IAX-Z

US Army Intelligence Agency
ATTN: DELEW-I

US Army Material Cmd
2 cys ATTN: DRCPM-NUC

US Army Material Command
ATTN: DRCDE-D
2 cys ATTN: DRCNC
2 cys ATTN: DRCSS

US Army Materiel Sys Analysis Actvy
ATTN: DRXSY-DS
ATTN: DRXSY-S

US Army Military Police School
2 cys ATTN: ATZN-MP-Library
2 cys ATTN: ATZN-MP-TD
2 cys ATTN: Commandant
2 cys ATTN: Phys Scty Committee

US Army Nuc & Chem Agency
ATTN: Library

US Army TRADOC Sys Analysis Actvy
ATTN: ATAA-TAC

US Army Training & Doctrine Command
ATTN: ATCD-AO
ATTN: ATCD-FA
ATTN: ATCD-N, Cbt Dev, Nuc Dir
ATTN: ATOO-NCO

US Army War College
ATTN: Library
2 cys ATTN: Strategic Studies

US Military Academy
ATTN: Dept of Behavorial Sci & Leadership
ATTN: Dir Natl Security Studies
ATTN: Dir of Libraries

USA Military Academy
ATTN: Doc Library

USA Missile Command
ATTN: DRSMI-XF

USA Nuclear Biological & Chemical School
ATTN: Library

V Corps
ATTN: Commander
ATTN: G-3

DEPARTMENT OF THE ARMY (Continued)

VII Corps
ATTN: G-3

1st Special Operations Cmd
ATTN: AFVS-GC-O, Maj Ogden

59th Ordnance Brigade
ATTN: AEUSA-Z
ATTN: Surety

DEPARTMENT OF THE NAVY

Carrier Airborne Early Warning Wing 12
ATTN: Commander

Carrier Group 1
ATTN: Commander

Carrier Group 2
ATTN: Commander

Carrier Group 3
ATTN: Commander

Carrier Group 4
ATTN: Commander

Carrier Group 5
ATTN: Commander

Carrier Group 6
ATTN: Commander

Carrier Group 7
ATTN: Commander

Carrier Group 8
ATTN: Commander

Cruiser-Destroyer Group One
ATTN: Commander

Cruiser-Destroyer Group 12
ATTN: Commander

Cruiser-Destroyer Group 2
ATTN: Commander

Cruiser-Destroyer Group 3
ATTN: Commander

Cruiser-Destroyer Group 5
ATTN: Commander

Cruiser-Destroyer Group 8
ATTN: Commander

David Taylor Naval Ship R&D Ctr
ATTN: Code 174

Fighter Airborne Early Warning Wing, US Pacific Fleet
ATTN: Commander

Fighter Wing 1
ATTN: Commander

Fleet Intelligence Center, Pacific
ATTN: FICPAC, Code 21

DEPARTMENT OF THE NAVY (Continued)

Fleet Intelligence Ctr, Europe & Atlantic
ATTN: Library

Naval Material Command
ATTN: MAT 0433
ATTN: MAT-0462
ATTN: PM-23

Light Attack Wing, US Pacific Fleet
ATTN: Commander

Light Attack Wing 1
ATTN: Commander

Marine Corps
ATTN: Code PPO

Marine Corps Dev & Education Command
ATTN: Commander

Medium Attack Tactical Electronic Warfare Wing
US Pacific Fleet
ATTN: Commander

Medium Attack Wing 1
ATTN: Commander

Naval Air Force, US Atlantic Fleet
ATTN: Commander

Naval Air Force, US Pacific Fleet
ATTN: Commander

Naval Electronic Sys Engineering Center
ATTN: Code 04
ATTN: Code 404HS

Naval Facilities Engineering Command
ATTN: Code 032E

Naval Intelligence Support Ctr
ATTN: NISC-30

Naval Investigative Svcs
ATTN: NISHC-22A
ATTN: NOP-009D
ATTN: 009/NIS/243

Naval Ocean Systems Center
ATTN: Code 4471, Tech Lib

Naval Personnel Res & Dev Ctr
ATTN: Code P302

Naval Postgraduate School
ATTN: Code 1424, Library

Naval Research Laboratory
ATTN: Code 1240
ATTN: Code 2627, Tech Lib

Naval Sea Systems Command
ATTN: SEA-09G53, Lib
ATTN: SEA-643

Naval Surface Force, US Atlantic Fleet
ATTN: Commander

Naval Surface Force, US Pacific Fleet
ATTN: Commander

DEPARTMENT OF THE NAVY (Continued)

Naval Surface Weapons Center
ATTN: Code F31
ATTN: G, G00

Naval War College
ATTN: Code E-11, Tech Svc
ATTN: Ctr for Nav Warfare Studies
ATTN: Doc Control
ATTN: Library
ATTN: Strategy Dept

Naval Weapons Evaluation Facility
ATTN: Tech Director

Nuc Wpns Tng Group, Atlantic
ATTN: Code 222
ATTN: Doc Control

Nuclear Weapons Tng Group, Pacific
ATTN: Code 32
ATTN: Doc Control

Ofc of the Dep Ch of Naval Ops
ATTN: NIS-22
ATTN: NOP CC9D
ATTN: NOP CC9D3
ATTN: NOP C6D
ATTN: NOP 50, Avn Plns & Rqmts Dev
ATTN: NOP 60
ATTN: NOP 60D
ATTN: NOP 603
ATTN: NOP 654, Strat Eval & Analysis Br
ATTN: NOP 91
ATTN: NOP 955, AAW Div
ATTN: NOP 981
2 cys ATTN: NOP 403

Ofc of Naval Research
ATTN: Code 713

CNO Exec Panel, Ofc of the Ch of Naval Opns
ATTN: OP-00K

Operational Test & Eval Force
ATTN: Commander

Operational Test & Eval Force, Pacific
ATTN: Dep Commander

Dep Ch of Staff, Plans, Policy & Opns
ATTN: Code-P
ATTN: Code-POC-30

Space & Naval Warfare Systems Cmd
ATTN: PME 121-3

Strategic Systems Programs, PM-1
ATTN: Code SP113

Submarine Force, US Atlantic Fleet
ATTN: Commander

Submarine Force, US Pacific Fleet
ATTN: Commander

Submarine Group 2
ATTN: Commander

Submarine Group 5
ATTN: Commander

DEPARTMENT OF THE NAVY (Continued)

Submarine Group 6
ATTN: Commander

Submarine Group 7
ATTN: Commander

Submarine Group 8
ATTN: Commander

Submarine Group 9
ATTN: Commander

Tactical Tng Gp, Pacific
ATTN: Commander

Tactical Wings Atlantic
ATTN: Commander

Commander in Chief, US Atlantic Fleet
ATTN: J2
ATTN: Physical Security
ATTN: Plans & Operations

Commander in Chief, US Naval Forces, Europe
ATTN: N54. Nuc Warfare Officer
ATTN: Special Opns

US Navy Second Fleet
ATTN: Commander

US Navy Seventh Fleet
ATTN: Commander

US Navy Sixth Fleet
ATTN: Commander

US Navy Third Fleet
ATTN: Commander

Commander in Chief, US Pacific Fleet
ATTN: J-2
ATTN: Physical Security
ATTN: Plans & Opns

DEPARTMENT OF THE AIR FORCE

Aeronautical Systems Division
ATTN: XRO/MAF

Air Force
ATTN: INA

Air Force
ATTN: INT

Air Force Logistics Command
ATTN: Security Police

Air Force Ofc of Special Investigations
ATTN: IVS

Air Force Office of Security Police
2 cys ATTN: AFOSP/SPPC
2 cys ATTN: AFOSP/SPPX
2 cys ATTN: SPOS-SPPC

Air Force Systems Command
ATTN: DL
ATTN: SD
ATTN: Security Police
ATTN: [illegible]

DEPARTMENT OF THE AIR FORCE (Continued)

Air Force Weapons Laboratory
ATTN: SUL

Air Training Command
ATTN: Security Police

Air University
ATTN: AU/SP
ATTN: Strategic Studies

Air University Library
ATTN: AUL-LSE
ATTN: Library

Assist Ch of Staff, Studies & Analysis
2 cys ATTN: AF/SAMI, Tech Info Div

Assist Ch of the Air Force, Rsch, Dev & Logistics
ATTN: SAF/ALR

Dep Ch of Staff, Rsch, Dev & Acq
ATTN: AF/RDQI

Dep Ch of Staff, Plans & Opns
ATTN: AFXOOIR
ATTN: AFXOXFM, Plns, Frc Dev Mun Plns
ATTN: AFXOXFS, Frc Dev, Strat Off Frc

Electronic Systems Division
3 cys ATTN: Physical Security Sys Directorate

Foreign Technology Division
ATTN: CCN
ATTN: SDN
ATTN: TQTM

Military Airlift Command
ATTN: Security Police

Commander in Chief, Pacific Air Forces
ATTN: Security Police
ATTN: XP

Space Command
ATTN: Security Police

Space Division
ATTN: YH, DSCS III

Strategic Air Command
ATTN: Security Police
ATTN: ADWN
ATTN: NRI/STINFO
ATTN: SPD
ATTN: STIC, 544SIW
ATTN: XOXO
ATTN: XPQ
ATTN: XPZ

Tactical Air Command
ATTN: Security Police
ATTN: TAC/XPJ
ATTN: TAC/XPS

US Air Force Academy
ATTN: Library
ATTN: Strategic Studies
ATTN: USAFA/SP

US Air Force in Europe
2 cys ATTN: [illegible]

DEPARTMENT OF THE AIR FORCE (Continued)

US Air Force Inspector General
3 cys ATTN: ICS
3 cys ATTN: IGT

US Air Forces in Europe
ATTN: USAFE/DEX
ATTN: USAFE/DOT
ATTN: USAFE/INAT
ATTN: USAFE/XPX, Plns

USAF School of Aerospace Medicine
ATTN: Radiation Sciences Div

USAF Special Operations School
ATTN: Director

1st ACCS
ATTN: DOF

2nd ACCS
ATTN: Doc

3280th Tech Training Sq
ATTN: TGICC

DEPARTMENT OF ENERGY

Department of Energy
Albuquerque Operations Office
ATTN: CTID
ATTN: D. Richmond

Department of Energy
Office of Mil Application, GTN
ATTN: OMA, DP-22

Department of Energy, GTN
ATTN: Ofc of Intelligence
ATTN: OMA, DP-22
ATTN: Safeguards & Security
ATTN: Tech & Intell Dir

University of California, Lawrence Livermore Natl Lab
ATTN: L-35
ATTN: L-38
ATTN: L-389
ATTN: L-450, W. Hogan
ATTN: Tech Info Dept Lib
ATTN: Z Division Library

Los Alamos National Laboratory
ATTN: M/S634, T. Dowler
ATTN: MS P364, Reports Library
ATTN: R. Sandoval

Sandia National Laboratories
ATTN: Tech Lib, 3141
ATTN: 0333, R. Stratton
ATTN: 0334, J. Struve

OTHER GOVERNMENT AGENCIES

Bureau of Alcohol, Tobacco & Firearms
ATTN: Chief Special Opns Div

US Dept of State, Bureau of Politico Mil Affairs
ATTN: PM/STM

Committee on Armed Services
ATTN: Staff Dir & Chief Counsel

OTHER GOVERNMENT AGENCIES (Continued)

Central Intell Agency
ATTN: Counter-Terrorist Group
ATTN: Dir of Security
ATTN: Medical Svcs
ATTN: NIO-T
ATTN: NIO, Strategic Sys
ATTN: Ofc of Global Issues
ATTN: R&D Sub Committee
ATTN: Security Committee
ATTN: Tech Library

Federal Aviation Admin
ATTN: Dir of Civil Aviation Security

Federal Bureau of Invest Academy
ATTN: Behavioral Rsch Unit
2 cys ATTN: Library

Federal Bureau of Investigation
3 cys ATTN: Terrorist Rsch & Analytical Ctr

Federal Emergency Management Agency
ATTN: Asst Assoc Dir for Rsch, J. Kerr
ATTN: Civil Security Division
ATTN: G. Orrell, MP-CP
ATTN: Ofc of Rsch/NP, D. Benson

General Svcs Administration
ATTN: PS

House Perm Select Committ on Intell
ATTN: Staff Director

Interpol, US Natl Central Bureau
ATTN: Chief

Metro Transit Police
ATTN: Chief

National Bureau of Standards
ATTN: Law Enforcement

Dept of Commerce, Natl Bureau of Standards
ATTN: Tech A219

Natl Criminal Justice Reference Svc
2 cys ATTN: D. Galarraga

Select Committee on Intelligence
ATTN: Staff Director

Subcommittee on Sec & Terrorism
ATTN: Chief Counsel, Staff Dir

US Capitol Police
ATTN: Chief

US Coast Guard
ATTN: Port & Environment Safety

US Coast Guard Academy
ATTN: Library

US Dept of State
ATTN: A/SY/CC/TAG
ATTN: A/SY/DASS
ATTN: A/SY/OP/T
ATTN: FAIM/LR
ATTN: M/MED
2 cys ATTN: M/CTP

OTHER GOVERNMENT AGENCIES (Continued)

US Nuclear Regulatory Commission
ATTN: Dir Div of Safeguards
ATTN: Ofc of Insp & Enforcement

US Park Police
ATTN: Chief of Police

DEPARTMENT OF DEFENSE CONTRACTORS

Advanced International Studies Institute
ATTN: M. Harvey

Advanced Rsch & Applications Corp
ATTN: Doc Control

Aerospace Corp
ATTN: Library

Analytical Assessments Corp
ATTN: A. Wagner

BDM Corp
ATTN: C. Wasaff
ATTN: J. Dode
ATTN: J. Braddock
ATTN: J. Conant
ATTN: R. Buchanan

Boeing Co
ATTN: MS-85-20, D. Choate
ATTN: MS-85-20, J. Russel

Computer Sciences Corp
ATTN: F. Eisenbarth

Data Memory Systems, Inc
ATTN: T. Dupuy

Grumman-CTEC, Inc
ATTN: S. Shrier

Horizons Technology, Inc
ATTN: J. Palmer

IIT Research Institute
ATTN: Doc Library

Institute for Defense Analyses
ATTN: Classified Library
ATTN: J. Grote

IRT Corp
ATTN: W. Macklin

JAYCOR
ATTN: R. Sullivan

Kaman Sciences Corp
ATTN: F. Shelton

Kaman Sciences Corp
ATTN: E. Conrad
ATTN: E. Daugs

Kaman Tempo
ATTN: DASIAC

Kaman Tempo
ATTN: DASIAC

DEPARTMENT OF DEFENSE CONTRACTORS (Continued)

Martin Marietta Corp
ATTN: F. Marion

Martin Marietta Denver Aerospace
ATTN: J. Donathan

National Institute for Public Policy
ATTN: C Gray

Orion Research Inc
ATTN: J. Scholz

Pacific-Sierra Research Corp
ATTN: H. Brode, Chairman SAGE
2 cys ATTN: G. Anno
2 cys ATTN: D. Wilson
2 cys ATTN: M. Dore

Pacific-Sierra Research Corp
ATTN: D. Gormley

R&D Associates
ATTN: C. Lee
ATTN: C. Knowles
ATTN: D. Simons
ATTN: E. Carson
ATTN: F. Field
ATTN: P. Haas
2 cys ATTN: Doc Control

R&D Associates
ATTN: A. Deverill
ATTN: J. Thompson
ATTN: K. Moran
ATTN: W. Graham

Rand Corp
ATTN: P. Davis
ATTN: V. Jackson
2 cys ATTN: Security & Subnation Conflict

Rand Corp
ATTN: B. Bennett

Rockwell International Corp
ATTN: J. Howe

S-CUBED
ATTN: K. Pyatt

Science Applications Intl Corp
ATTN: Document Control
ATTN: E. Swick
ATTN: J. Beyster
ATTN: J. Martin
ATTN: J. Warner
ATTN: M. Drake

Science Applications Intl Corp
ATTN: B. Bennett
ATTN: Document Control
ATTN: J. Foster
ATTN: J. Peters
ATTN: J. Shannon
ATTN: L. Goure
ATTN: M. Fineberg
ATTN: W. Layson

Science Applications Intl Corp
ATTN: D. Kaul

DEPARTMENT OF DEFENSE CONTRACTORS (Continued)

Science Applications, Inc
ATTN: R. Craver

SRI International
ATTN: R. Tidwell

SRI International
ATTN: C. Hulburt

Systems Research & Applications Corp
ATTN: S. Greenstein

DEPARTMENT OF DEFENSE CONTRACTORS (Continued)

Tetra Tech, Inc
ATTN: F. Bothwell

TRW Electronics & Defense Sector
ATTN: D. Scally
ATTN: N. Lipner
ATTN: R. Burnett

TRW Electronics & Defense Sector
ATTN: P. Dai